
ACCESS SERVICES

RATES, RULES AND REGULATIONS GOVERNING
THE PROVISION OF SWITCHED ACCESS SERVICES
FOR CONNECTION TO INTERSTATE COMMUNICATIONS FACILITIES

This tariff replaces and cancels, in its entirety, the following tariffs:

RCN Telecom Services, Inc F.C.C. Tariff No. 1 effective July 5, 1997

Starpower Communications, LLC d/b/a RCN F.C.C. Tariff No. 1 effective November 24, 1998

RCN Telecom Services of Illinois, LLC F.C.C. Tariff No. 2 effective November 30, 2001

ACCESS SERVICES

CHECK SHEET

Sheets, 1 through 156 inclusive, of this tariff are effective as of the date shown at the bottom of the respective sheet(s). Original and revised sheets are named below and comprise all changes from the original tariff and are currently in effect as of the date on the bottom of this page.

| <u>Sheet</u> | <u>Revised Page</u> | <u>Sheet</u> | <u>Revised Sheet</u> | <u>Sheet</u> | <u>Revised Sheet</u> |
|--------------|---------------------|--------------|----------------------|--------------|----------------------|
| 1 | Original Page | 42 | Original Page | 84 | Original Page |
| 2 | Original Page | 43 | Original Page | 85 | Original Page |
| 3 | Original Page | 44 | Original Page | 86 | Original Page |
| 4 | Original Page | 45 | Original Page | 87 | Original Page |
| 5 | Original Page | 46 | Original Page | 88 | Original Page |
| 6 | Original Page | 47 | Original Page | 89 | Original Page |
| 7 | Original Page | 48 | Original Page | 90 | Original Page |
| 8 | Original Page | 49 | Original Page | 91 | Original Page |
| 9 | Original Page | 50 | Original Page | 92 | Original Page |
| 10 | Original Page | 51 | Original Page | 93 | Original Page |
| 11 | Original Page | 52 | Original Page | 94 | Original Page |
| 12 | Original Page | 53 | Original Page | 95 | Original Page |
| 13 | Original Page | 54 | Original Page | 96 | Original Page |
| 14 | Original Page | 55 | Original Page | 97 | Original Page |
| 15 | Original Page | 56 | Original Page | 98 | Original Page |
| 16 | Original Page | 57 | Original Page | 99 | Original Page |
| 17 | Original Page | 58 | Original Page | 100 | Original Page |
| 18 | Original Page | 59 | Original Page | 101 | Original Page |
| 19 | Original Page | 60 | Original Page | 102 | Original Page |
| 20 | Original Page | 61 | Original Page | 103 | Original Page |
| 21 | Original Page | 62 | Original Page | 104 | Original Page |
| 22 | Original Page | 63 | Original Page | 105 | Original Page |
| 23 | Original Page | 64 | Original Page | 106 | Original Page |
| 24 | Original Page | 65 | Original Page | 107 | Original Page |
| 25 | Original Page | 66 | Original Page | 108 | Original Page |
| 26 | Original Page | 67 | Original Page | 109 | Original Page |
| 27 | Original Page | 68 | Original Page | 110 | Original Page |
| 28 | Original Page | 69 | Original Page | 111 | Original Page |
| 29 | Original Page | 70 | Original Page | 112 | Original Page |
| 30 | Original Page | 71 | Original Page | 113 | Original Page |
| 31 | Original Page | 72 | Original Page | 114 | Original Page |
| 32 | Original Page | 73 | Original Page | 115 | Original Page |
| 33 | Original Page | 74 | Original Page | | |
| 34 | Original Page | 75 | Original Page | | |
| 35 | Original Page | 76 | Original Page | | |
| 36 | Original Page | 77 | Original Page | | |
| 37 | Original Page | 78 | Original Page | | |
| 38 | Original Page | 79 | Original Page | | |
| 39 | Original Page | 80 | Original Page | | |
| 40 | Original Page | 81 | Original Page | | |
| 41 | Original Page | 82 | Original Page | | |
| | | 83 | Original Page | | |

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Joseph O. Kahl
Sr. Director of Regulatory & External Affairs
650 College Road East
Princeton, NJ 08540

ACCESS SERVICES

CHECK SHEET

| <u>Sheet</u> | <u>Revised Page</u> | <u>Sheet</u> | <u>Revised Sheet</u> | <u>Sheet</u> | <u>Revised Sheet</u> |
|--------------|---------------------|--------------|----------------------|--------------|----------------------|
| 116 | Original | 160 | Original | | |
| 117 | Original | 161 | Original | | |
| 118 | Original | 162 | Original | | |
| 119 | Original | 163 | Original | | |
| 120 | Original | 164 | Original | | |
| 121 | Original | 165 | Original | | |
| 122 | Original | 166 | Original | | |
| 123 | Original | 167 | Original | | |
| 124 | Original | 168 | Original | | |
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| 158 | Original | | | | |
| 159 | Original | | | | |

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Joseph O. Kahl
Sr. Director of Regulatory & External Affairs
650 College Road East
Princeton, NJ 08540

ACCESS SERVICES

TABLE OF CONTENTS

| | Page |
|---|------|
| CHECK SHEET | 1 |
| TABLE OF CONTENTS | 3 |
| LIST OF CONCURRING, CONNECTING AND OTHER PARTICIPATING CARRIERS | 4 |
| EXPLANATION OF SYMBOLS | 5 |
| Section 1 -- APPLICATION | 6 |
| Section 2 -- DEFINITIONS | 7 |
| Section 3 -- REGULATIONS | 11 |
| Section 4 -- CARRIER COMMON LINE | 43 |
| Section 5 -- END USER ACCESS | 52 |
| Section 6 -- ACCESS SERVICE ORDER | 56 |
| Section 7 -- SWITCHED ACCESS SERVICE | 68 |
| Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES | 125 |
| Section 9 -- RATES | 129 |

ACCESS SERVICES

LIST OF CONCURRING, CONNECTING AND
OTHER PARTICIPATING CARRIERS

CONCURRING CARRIERS

RCN Telecom Services of New York, LP

RCN Telecom Services of Philadelphia ::LLC

RCN Telecom Services of Illinois, LLC

RCN BecoCom LLC

Starpower Communications, LLC
d/b/a RCN

CONNECTING CARRIERS

No Connecting Carriers

OTHER PARTICIPATING CARRIERS

No Other Participating Carriers

ACCESS SERVICES

The following symbols shall be used in this tariff for the purpose indicated below:

- C To signify a **change** in regulation or rate structure.
- D To signify **discontinued** material.
- I To signify a **increased** rate.
- M To signify a **move** in the location of text.
- N To signify a **new** rate or regulation
- R To signify a **reduced** rate.
- S To signify **reissued** material.
- T To signify a **change in text** but no change in rate or regulation.

ACCESS SERVICES

Section 1 -- APPLICATION

This tariff contains the regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access, Special Access and Miscellaneous Services.

ACCESS SERVICES

Section 2 -- DEFINITIONS

Certain terms used generally throughout this tariff are described below.

Advance Payment

Part or all of a payment required before the start of service.

Access Services

The Company's interstate telephone services offered pursuant to this tariff.

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the Customer specified maximum amount of Switched Access Service and/or Directory Assistance Service access minutes the Customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Feature Group and/or Directory Assistance Service ordered. This Customer specified BHMC quantity is the input data the Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

Carrier or Common Carrier

See Interexchange Carrier.

Common Channel Signaling

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points in the CCS network.

ACCESS SERVICES

Section 2 - DEFINITIONS (cont'd.)Company or RCN

RCN Telecom Services (Lehigh) LLC, the issuer of this tariff.

Customer

The person, firm or corporation which orders service and is responsible for the payment of charges and compliance with the Company's regulations.

End Office

With respect to each NPA-NXX code prefix assigned to the Company, the location of the Company's "end office" for purposes of this tariff shall be the point of interconnection associated with that NPA-NXX code in the Local Exchange Routing Guide, issued by Bellcore.

End User

A person or entity that subscribes to any RCN Exchange Access Service and that has been assigned one or more telephone number(s) within a central office code (NPA-NXX) directly assigned to the Company.

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communication by wire or radio, between two or more exchanges.

LATA

A Local Access and Transport Area established pursuant to the Modification of Final Judgment entered by the United States District Court for the District of Columbia in Civil Action No. 82-0192; or any other geographic area designated as a LATA in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Recurring Charges

The monthly charges to the Customer for services, facilities and equipment which continue for the agreed upon duration of the service.

ACCESS SERVICES

Section 2 - DEFINITIONS (cont'd.)Service Commencement Date

The first date on which the Company notifies the Customer that the requested service or facility is available for use, unless extended by the Customer's refusal to accept service which does not conform to standards set forth in the Service Order or this tariff, in which case the Service Commencement Date is the date of the Customer's acceptance. The Company and the Customer may mutually agree on a substitute Service Commencement Date. If the Company does not have an executed Service Order from a Customer, the Service Commencement Date will be the first date on which the service or facility was used by a Customer.

Service Order

The written request for access services executed by the Customer and the Company in the format devised by the Company. The signing of a Service Order by the Customer and acceptance by the Company initiates the respective obligations of the parties as set forth therein and pursuant to this tariff, but the duration of the service is calculated from the Service Commencement Date. Should a Customer use the Company's access service without an executed Service Order, the Company will then request the Customer to submit a Service Order.

Service Switching Point (SSP)

A Service Switching Point denotes an end office or tandem which, in addition to having SS7 and STP capabilities, is also equipped to query centralized data bases.

Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the Customer designated premises would normally obtain dial tone.

Shared

A facility or equipment system or subsystem that can be used simultaneously by several Customers.

Signaling Point (SP)

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and terminating SS7 trunk signaling messages.

Signaling Point of Interface (SPOI)

The term "Signaling Point of Interface (SPOI)" denotes the Customer designated location where the SS7 signaling information is exchanged between the Telephone Company and the Customer.

Signaling System 7 (SS7)

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States and Puerto Rico.

Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Company's SS7 network and performs SS7 message signal routing and screening.

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

ACCESS SERVICES

Section 2 - DEFINITIONS (cont'd.)

User

A Customer or any other person authorized by the Customer to use service provided under this tariff.

VoIP-PSTN Non-Toll Traffic

VoIP-PSTN Traffic that originates (in the case of traffic terminated to a Company end user) or terminates (in the case of traffic originated from a Company end user) at a location within the local calling area of the Company's end user.

VoIP-PSTN Toll Traffic

VoIP-PSTN Traffic that originates (in the case of traffic terminated to a Company end user) or terminates (in the case of traffic originated from a Company end user) at a location outside the local calling area of the Company's end user.

VoIP-PSTN Traffic

Any traffic exchanged between the Company and a Customer that is a telecommunications carrier in Time Division Multiplexing (TDM) format that originates and/or terminates in Internet Protocol (IP format). Telecommunications traffic originates and/or terminates in IP format if it originates from or terminates to an end-user customer of a service that requires Internet protocol-compatible customer premises equipment.

Wire Center

A building in which one or more central offices, used for the provision of Exchange Services, are located.

ACCESS SERVICES

Section 2 - DEFINITIONS (cont'd.)

RESERVED FOR FUTURE USE

ACCESS SERVICES

Section 3 -- REGULATIONS**3.1 Undertaking of the Company****3.1.1 Scope**

The Company undertakes to furnish access services in accordance with the terms and conditions set forth in this tariff.

3.1.2 Shortage of Facilities

All service is subject to the availability of suitable facilities. The Company reserves the right to limit the length of communications or to discontinue furnishing services when necessary because of the lack of transmission medium capacity or because of any causes beyond its control.

3.1.3 Terms and Conditions

- (A) Service is provided on the basis of a minimum period of one 24-hours per day. For the purpose of computing charges in this tariff, a month is considered to have 30 days.
- (B) Customers may be required to enter into written service orders which shall contain or reference a specific description of the service ordered, the rates to be charged, the duration of the services, and the terms and conditions in this tariff. Customer will also be required to execute any other documents as may be reasonably requested by the Company.
- (C) In any action between the parties to enforce any provision of this tariff, the prevailing party shall be entitled to recover its legal fees and court costs from the non-prevailing party in addition to other relief a court may award.
- (D) This tariff shall be interpreted and governed by the laws of the United States without regard for its choice of laws provision.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.1 Undertaking of the Company (cont'd.)3.1.4 Liability of the Company

- (A) Except as stated in this Section 3.1.4, the Company shall have no liability for damages of any kind arising out of or related to events, acts, rights or privileges contemplated in this tariff. This tariff does not limit the liability of the Company for willful misconduct.
- (B) The liability of the Company for damages resulting in whole or in part from or arising in connection with the furnishing of service under this tariff, including but not limited to mistakes, omissions, interruptions, delays, errors or other defects or misrepresentations shall not exceed an amount equal to five times the initial period charge provided for under this tariff for any call for the period during which the call was affected. No other liability in any event shall attach to the Company.
- (C) The Company shall not be liable for any failure of performance hereunder due to causes beyond its control, including but not limited to acts of God, fires, flood or other catastrophes; failure of utility services; any law, order, regulation, directive, action or request of the United States Government, or any other government, including state and local governments having jurisdiction over the Company, or of any department, agency, commission, bureau, corporation or other instrumentality of any one or more of said governments, or of any civil or military authority; national emergencies, insurrections, riots, wars or other labor difficulties.
- (D) The Company shall not be liable for any act or omission of any other entity furnishing to the Customer facilities, equipment, or services used with the Company's access services. Nor shall the Company be liable for any damages or losses due to unauthorized use or the service or the failure or negligence of the Customer or due to the failure of the Customer-provided equipment, facilities or services.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.1 Undertaking of the Company (cont'd.)3.1.5 Claims

The Company shall be indemnified and saved harmless by the Customer from and against all loss, liability, damage and expense, including reasonable counsel fees, due to claims of libel, slander, or infringement of copyright in connection with the material transmitted over the Company's facilities; and any other claim resulting from any act or omission of the Customer or patron(s) of the Customer relating to the use of the Company's services or facilities.

3.1.6 Provision of Equipment and Facilities

- (A) Except as otherwise indicated, customer-provided station equipment at the Customer's premises for use in conjunction with this service shall be so constructed, maintained and operated as to work satisfactorily with the facilities of the Company.
- (B) The Company shall not be responsible for the installation, operation or maintenance of any Customer-provided communications equipment. Where such equipment is connected to service furnished pursuant to this tariff, the responsibility of the Company shall be limited to the furnishing of services under this tariff and to the maintenance and operation of such services in the proper manner. Subject to this responsibility, the Company shall not be responsible for:
 - (1) the through transmission of signals generated by Customer-provided equipment or for the quality of, or defects in, such transmission; or
 - (2) the reception of signals by Customer-provided equipment; or
 - (3) network control signalling where such signalling is performed by Customer-provided network control signalling equipment.

3.1.7 Ownership of Facilities

Title to all facilities provided in accordance with this tariff remains in the Company, its agents, contractors or suppliers.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.2 Prohibited Uses

- (A) The services the Company offers shall not be used for any unlawful purpose or for any use for which the Customer has not obtained all required governmental approvals, authorization, licenses, consents and permits.
- (B) The Company may require applicants for service who intend to use the Company's offering for resale and/or for shared use to file a letter with the Company confirming that their use of the Company's offerings complies with relevant laws and regulations, policies, orders, and decisions.
- (C) The Company may require a Customer to immediately shut down its transmission if such transmission is causing interference to others.
- (D) A Customer, joint user, or authorized user may not assign, or transfer in any manner, the service or any rights associated with the service without the written consent of the Company. The Company will permit a Customer to transfer its existing service to another entity if the existing Customer has paid all charges owed to the Company for regulated access services. Such a transfer will be treated as a disconnection of existing service and installation of new service, and non-recurring installation charges as stated in this tariff will apply.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.3 Obligations of the Customer

3.3.1 Customer Premises Provisions

- (A) The Customer shall provide the personnel, power and space required to operate all facilities and associated equipment installed on the premises of the Customer.
- (B) The Customer shall be responsible for providing Company personnel access to premises of the Customer at any reasonable hour for the purpose of testing the facilities or equipment of the Company.

3.3.2 Liability of the Customer

The Customer will be liable for damages to the facilities of the Company caused by negligence or willful acts of its offices, employees, agents or contractors of the Customer where such negligence or willful acts is not the direct result of the Company's negligence.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.3 Obligations of the Customer (cont'd.)3.3.3 Jurisdictional Report Requirements

- (A) For Feature Group B Switched Access Service(s) for both interstate and intrastate use, the projected interstate percentage of use must be provided by the Customer in a whole number to the Company. The Company will designate the number obtained by subtracting the projected interstate percentage of use from 100 (100 - projected interstate percentage = intrastate percentage) as the projected intrastate percentage of use.

For Feature Group D Switched Access Service(s), the Company, where jurisdiction can be determined from the call detail, will determine the projected interstate percentage as follows. For originating access minutes, the projected interstate percentage will be developed on a monthly basis by end office when the Feature Group D, Switched Access Service access minutes are measured by dividing the measured interstate originating access minutes (the access minutes where the calling number is in one state and the called number is in another state) by the total originating access minutes when the call detail is adequate to determine the appropriate jurisdiction. For terminating access minutes, the Customer has the option to provide the Company with a Projected PIU factor. Customers who provide a PIU factor shall supply the Company with an interstate percentage of Feature Group D terminating access minutes for each account to which the Customer may terminate traffic.

When a Customer orders Feature Group D Switched Access Service, the Customer shall supply projected interstate percentage of use for each end office involved to be used in the event that originating call details are insufficient to determine the jurisdiction for the call. This percentage shall be used by the Company as the projected interstate percentage for such call detail. For purposes of developing the projected interstate percentage, the Customer shall utilize the same considerations as those set forth in Section 3.3.3(B) following.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.3 Obligations of the Customer (cont'd.)3.3.3 Jurisdictional Report Requirements (cont'd.)(A) (cont'd.)

Should the customer not provide an originating or terminating PIU, the Company may use a default PIU which will be an even split of 50% interstate and 50% intrastate.

- (B) For purposes of developing the projected interstate percentage, the Customer shall consider every call that enters the customer's network at a point within the same state as the state where the called station is located to be intrastate and every call that enters the Customer's network at a point in a state different from the state in which the called station is located to be interstate.

- (C) These whole number percentages will be used by the Company to apportion the use, rates, and/or nonrecurring charges between interstate and intrastate until a revised report is received.

- (D) The projected interstate percentage of use will be used to determine the charges as follows:

The number of access minutes for a group will be multiplied by the projected interstate percentage of use to determine the interstate access minutes. (i.e., number of access minutes x projected interstate percentage of use = interstate access minutes).

The number of interstate access minutes so determined will be subtracted from the total number of access minutes (i.e., number of access minutes - interstate access minutes = intrastate access minutes). The interstate access minutes for the group will be billed as set forth in Section 7 following.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.3 Obligations of the Customer (cont'd.)3.3.3 Jurisdictional Report Requirements (cont'd.)

- (E) Effective on the first of January, April, July and October of each year, the Customer may update the jurisdictional reports that require a projected interstate percentage. The Customer shall forward to the Company, to be received no later than 20 calendar days after the first of each such month, a revised report showing the interstate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate and intrastate use. Except as set forth in Section 3.3.3(A) preceding where jurisdiction can be determined from the recorded message detail, the revised report will serve as the basis for the next three months billing and will be effective on the bill date in the following month (i.e., February, May, August and November) for that service. No prorating or back billing will be done based on the report. If the Customer does not supply the report, the Company will assume the percentage to be the same as that provided in the last quarterly report. For those cases in which a quarterly report has never been received from the Customer, the Company will assume the percentage to be the same as that provided in the order for service as set forth in Section 3.3.3(A) preceding.
- (F) The Customer reported projected interstate percentage of use as set forth in Section 3.3.3(A) preceding will be used for the apportionment of rates or nonrecurring charges associated with Feature Group B or D Switched Access Service until the end of the quarter during which the service was activated. Thereafter, a projected interstate percentage for such apportionment will be developed quarterly by the Company based on the data used to develop the projected interstate percentage of use as set forth in section 3.3.3(A) preceding. Where call detail is insufficient to make such a determination, the Customer will be requested to project a interstate percentage of use to be used by the Company for such apportionment.
- (G) The Customer shall keep sufficient detail from which the percentage of interstate use can be ascertained and upon request of the Company make the records available for inspection. Such a request will be initiated by the Company no more than once per year. The Customer shall supply the data within 30 calendar days of the Company request.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.4 Customer Equipment and Channels3.4.1 Interconnection of Facilities

- (A) In order to protect the Company's facilities and personnel and the services furnished to other Customers by the Company from potentially harmful effects, the signals applied to the Company's service shall be such as not to cause damage to the facilities of the Company. Any special interface equipment necessary to achieve the compatibility between facilities of the Company and the channels or facilities of others shall be provided at the Customer's expense.

3.4.2 Inspections

- (A) The company may, upon notification to the Customer, at a reasonable time, make such tests and inspections as may be necessary to determine that the requirements regarding the equipment and interconnections are being complied with the installation, operation and maintenance of Customer-provided equipment and in the wiring of the connection of Customer channels to Company-owned facilities.
- (B) If the protective requirements in connections with Customer-provided equipment are not being complied with, the Company may take such action as necessary to protect its facilities and personnel and will promptly notify the Customer by registered mail in writing of the need for protective action. In the event that the Customer fails to advise the Company within ten (10) days after such notice is received or within the time specified in the notice that corrective action has been taken, the Company may take whatever additional action is deemed necessary, including the suspension of service, to protect its facilities and personnel from harm. The Company will, upon request twenty-four (24) hours in advance, provide the Customer with a statement of technical parameters that the Customer's equipment must meet.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.5 Customer Deposits and Advance Payments3.5.1 Advance Payments

The Company may require a Customer to make an advance payment before services and facilities are furnished. The advance payment will not exceed an amount up to two (2) months of estimated monthly usage charges. In addition, where special construction is involved, the advance payment may also include an amount equal to the estimated non-recurring for the special construction and recurring charges (if any) for a period to be set between the Company and the Customer. The advance payment will be credited to the customer's initial bill. An advance payment may be required in addition to a deposit.

3.5.2 Deposits

- (A) To safeguard its interests, the Company may require the Customer to make a deposit to be held as a guarantee for the payment of charges. A deposit does not relieve the Customer of the responsibility for prompt payment of bills on presentation. The deposit will not exceed an amount equal to:
- (1) three month's charges for a service or facility which has a minimum payment period of one month; or
 - (2) the charges that would apply for the minimum payment period for a service or facility which has a minimum payment period of more than one month; except that the deposit may include an additional amount in the event that a termination charge is applicable.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.5 Customer Deposits and Advance Payments (cont'd.)3.5.2 Deposits (cont'd.)

- (B) A deposit may be required in addition to an advance payment.
- (C) When a service or facility is discontinued, the amount of a deposit, if any, will be applied to a Customer's account and any credit balance remaining will be refunded before the service or facility is discontinued, the Company may, at its option, return the deposit or credit it to the Customer's account. If the amount of the deposit is insufficient to cover the balance due to the Customer's account, the Company retains the right to collect any amounts owing after the deposit has been applied plus any costs related to the collection of any remaining balance.
- (D) Deposits will accrue interest at a rate specified by the Company without deductions for any taxes on such deposits. Interest will not accrue on any deposit after the date on which reasonable effort has been made to return it to the Customer.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements3.6.1 Payment for Service

The Customer is responsible for payment of all charges for facilities and services furnished by the Company.

(A) Taxes

The Customer is responsible for payment of any sales, use, gross receipts, excise, access or other local, state and federal taxes, charges or surcharges (excluding taxes on the Company's net income), however designated, imposed on or based upon the provision, sale or use of the Company's services.

3.6.2 Billing and Collection of Charges

The Customer is responsible for payment of all charges incurred by the Customer or other users for services and facilities furnished to the Customer by the Company.

- (A) Non-recurring charges are due and payable within thirty (30) days after the date of the invoice.
- (B) The Company shall present invoices for Recurring Charges monthly to the Customer, in advance of the month in which service is provided, and Recurring Charges shall be due and payable within thirty (30) days after the date of invoice. When billing is based upon customer usage, usage charges will be billed monthly for the preceding billing period.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.2 Billing and Collection of Charges (cont'd.)

- (C) When service does not begin on the first day of the month, or end on the last day of the month, the charge for the fraction of the month in which service was furnished will be calculated on a pro rated basis. For this purpose, every month is considered to have thirty (30) days.
- (D) Billing of the Customer by the Company will begin on the Service Commencement Date, which the day on which the Company notifies the Customer that the service or facility is available for use, except that the Service Commencement Date may be postponed by mutual agreement of the parties, or if the service or facility does not conform to standards set forth in this tariff or the Service Order. Billing accrues through and includes the day that the service, circuit, arrangement or component is discontinued.
- (E) If any portion of the payment is received by the Company after the due date, or if any portion of the payment is received by the Company in funds which are not immediately available upon presentment, then a late penalty shall be due to the Company. The late payment penalty shall be the portion of the payment not received by the due date, multiplied by a later factor. The late factor shall be the lesser of (1) a rate of one and one-half percent (1.5%) per month or (2) the highest rate allowed by state law.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.2 Billing and Collection of Charges (cont'd.)

- (F) The Customer will be assessed a charge of up to twenty-five dollars (\$25.00) for each check submitted by the Customer to the Company which a financial institution refuses to honor for insufficient funds or a non-existent account.
- (G) Customers have up to ninety (90) days (commencing 5 days after remittance of the bill) to initiate a dispute over charges or to receive credits.
- (H) If service is disconnected by the Company in accordance with section 3.6.3 following and later restored, restoration of service will be subject to all applicable installation charges.

3.6.3 Billing Disputes

If the Customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment due date, any late payment charge for the disputed amount will not start until ten (10) days after the payment due date. The late payment charge will continue to accrue until payment is received by the Company.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.3 Billing Disputes (cont'd.)

If the Customer disputes the bill after the payment due date, and pays the undisputed amount after the payment due date, the late payment charge for the disputed amount shall begin on the payment due date.

In the event that a billing dispute concerning any charges billed to the Customer by the Company is resolved in favor of the Customer, any payments of the disputed amount, withheld pending settlement of the dispute shall not be subject to the late payment penalty.

The date of the dispute shall be the date the Company receives sufficient documentation to investigate the dispute.

The date of the resolution is the date the Company completes its investigation and notifies the Customer of the disposition of the dispute.

If the Customer disputes the billed amount on or before ninety (90) days from the due date of the disputed bill and pays the total invoice amount on or before the payment due date and the billing dispute is resolved in favor of the Customer, the Customer will receive a credit from the Company. The credit shall be the disputed amount resolved in the Customer's favor times a late payment penalty set forth in 3.6.1(B) preceding. This penalty factor will apply from the date of the Customer's payment through the date of resolution by the Company.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.3 Billing Disputes (cont'd.)

If the Customer disputes the bill after ninety (90) days from the due date of the disputed bill and pays the total amount on or before the date of the dispute, the Customer shall receive a credit from the Company. The credit will equal the disputed amount times the late payment penalty factor. The penalty factor will apply from the later of the claim date or the date of overpayment through the date of resolution by the Company.

- The date of resolution shall be the date on which the Company completes its investigation of the dispute, notifies the Customer of the disposition and, if the billing dispute is resolved in favor of the Customer, applies the credit for the amount of the dispute resolved in the Customer's favor to the Customer's bill, including the disputed amount penalty credit and/or late payment penalty credit, as appropriate.
- If a billing dispute is resolved in favor of the Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty as set forth in 3.6.1(B) preceding. Further, the Customer will not receive a disputed amount penalty credit.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.4 Discontinuance of Service for Cause

The Company may discontinue service or cancel an application for service without incurring any liability for any of the following reasons:

- (A) Upon non-payment of any sum owed to the Company for more than thirty (30) days beyond the date of rendition of the bill service or upon violation of any of the terms or conditions governing the furnishing of service under this tariff, the Company may, on thirty (30) days advance notice in writing to the Customer discontinue the furnishing of service under this tariff.
- (B) Without notice, in the event of a violation of any regulation governing the service under this tariff;
- (C) Without notice, in the event of a violation of any law, rule, or regulation of any government authority having jurisdiction over the service; or
- (D) The Company is prohibited from furnishing services by order of a court or other government authority having jurisdiction.
- (E) In the event of fraudulent use of the Company's network, the Company will discontinue service without notice and/ or seek legal recourse to recover all costs involved in enforcement of this provision.

3.6.5 Notice to Company for Cancellation of Service

Customers, not receiving service pursuant to a term agreement with the Company, who desire to terminate service shall provide Company thirty (30) days written notice of desire to terminate service.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved

Meet point billing applies when more than one Exchange Telephone Company is involved in the provision of Access Service. All recurring and nonrecurring charges for services provided by each Exchange Telephone Company are billed under each company's applicable rates as set forth in Section 3.6.4 (A) following.

The Company accepts and adheres to the Ordering and Billing Forum guidelines, Multiple Exchange Carrier Access Billing (MECAB) and Multiple Exchange Carrier Ordering and Design (MECOD).

The Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company is involved in the provision of Access Service as follows.

For Feature Group B and/or D Switched Access Service, when service is jointly provided by more than one Exchange Telephone Company, the Customer must supply a copy of the order to each Exchange Telephone Company involved in providing the service.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

Each Exchange Telephone Company will provide the portion of Local Transport to an interconnection point (IP) with another Exchange Telephone Company, and will bill the charges in accordance with its Access Service tariff for either Single Bill/Multiple Tariff arrangements or Multiple Bill/Multiple Tariff arrangements. For Single Bill/Single Tariff arrangements the Company will either bill the charges in accordance with its Access Service Tariff or agree to bill the Access Service charges of the interconnecting Exchange Telephone Company. The rate for the Transport elements will be determined as set forth in 3.6.6(B) and (C) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

The charge for the Switched Access Local Transport Facility element for services provided as set forth in Section 3.6.6 preceding are determined as follows:

- (A) Determine the appropriate Switched Access Local Transport Facility mileage by computing the airline mileage between the two ends of the Local Transport Facility. Determine the airline mileage for the Local Transport Facility Charge using the V&H method as set forth in Section 3.7.2 following.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.6 Payment Arrangements (cont'd.)

3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

- (B) For Feature Groups B or D Switched Access Service, the Local Transport Facility and Termination charges are determined by using the steps set forth in (a) through (c) following for the total Local Transport-Common Switched Transport charges.

(1) Multiply:

The number of access minutes
by
the number of airline miles as determined in (A) preceding
by
the Company's appropriate Local Transport Facility per mile per
access minute rate
by
the Company's billing percentage factor.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)(B) (cont'd.)

(2) Multiply:

The number of access minutes

by

the Company's appropriate Local Transport Termination per minute rate. The resulting amount is the Company's total Local Transport Termination charge.

(3) Add:

The products of (1) and (2) for the Company's total Local Transport-Common Switched Transport charges.

(C) The charge for the Direct Trunked Transport-Facility Mileage rate element for services provided as set forth in Section 3.6.6 (A) preceding is determined as follows:

- (1) Determine the appropriate Switched Access Direct Trunked Transport-Facility mileage by computing the airline mileage between the two ends of the Direct Trunked Transport-Facility. Determine the airline mileage for the Direct Trunked Transport-Facility charge using the V&H method as set forth in Section 3.7.2 following.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.6 Payment Arrangements (cont'd.)

3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

(C) (cont'd.)

- (2) For Feature Groups B or D Switched Access Service, the Direct Trunked Transport-Facility Mileage charge is determined by using the procedure set forth below:

Multiply:

The number of access minutes

by

the number of airline miles as determined in (1) preceding

by

the Company's appropriate Direct Trunked Transport-Facility per mile per access minute rate

by

the Company's billing percentage factor.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.6 Payment Arrangements (cont'd.)

3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

- (D) For Feature Groups B and D.
- (1) For originating or terminating access traffic at a company operated end office, the Interconnection Charge is calculated by multiplying that rate times the number of originating and terminating access minutes that are switched at the end office.
 - (2) For Entrance Facility equipment operated by the Company, the Entrance Facility and/or Multiplexing charge will apply.
 - (3) The Billing Percentage (BP) is not applicable to the Interconnection charge, Entrance Facility or Multiplexer.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.6 Payment Arrangements (cont'd.)3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

- (E) The interconnection points will be determined by the Exchange Telephone Companies involved. The billing percentage (BP) factor for the Company for the service between the involved offices will be listed in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, except as noted in 3.6.6(F), below.
- (F) Until the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 is revised to include the following meet points for jointly provided transport to the Company's host switch, the following applicable billing percentage factors for such transport over Feature Group B or D Switched Access Service traffic apply:

| <u>CLLI</u> | <u>COMPANY CODE</u> | <u>BP</u> |
|---|---------------------|-----------|
| SBTNMAFHDSO | 7619 | 0 |
| CLLI for all IXC Switches for NYNEX MA in LATA 128 | 5112 | 100 |
| NYCLNYOJDSO | 7353 | 0 |
| CLLI for all IXC Switches for NYNEX NY in LATA 132 | 5130 | 100 |
| NATNPAAGDSO | 7615 | 15 |
| CLLI for all IXC Switches for Bell Atlantic PA in LATA 228 | 5000 | 85 |

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.6 Payment Arrangements (cont'd.)

3.6.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (cont'd.)

- (G) Should any changes be made to the meet point billing arrangements as set forth in Section 3.6.6(B) preceding, the Company will give affected Customers thirty (30) days' notice.
- (H) Should the Company act as an intermediate, non-terminating local exchange carrier, Common Transport Termination rates, as determined in Section 3.6.6 (B) preceding, will not be applied to the meet point billing arrangement.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.7 Application of Rates

The regulations set forth in this section govern the application of rates for services contained in other sections of this tariff.

3.7.1 Charges Based on Duration of Use

Customer traffic to end offices will be measured by the Company at end office switches. Originating and terminating calls will be measured by the Company to determine the basis for computing chargeable access minutes, as set forth in Section 7.1.2 following.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.7 Application of Rates (cont'd.)3.7.2 Rates Based Upon Distance

Where the charges for service are specified based upon distance, the following rules apply:

- (A) Distance for jointly provided transport would be calculated between the serving wire center where the IXC's point of presence (POP) is located and the Company's host switch. In instances where the host switch is located in a local serving area normally served by a different serving wire center, the distance between the Company's host switch and the remote serving area is also applicable and is measured as airline distance between the Company's host switch and the remote serving center. The serving wire center is a set of geographic coordinates as referenced in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4. Associated with the serving wire centers are NPA-NXX combinations (where NPA is the area code and NXX is the first three digits of a seven-digit telephone number). The NPA NXX combinations. Except that, until the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 is revised to include certain Company wire centers and remote service areas, the airline distance should be determined utilizing the following "V" (vertical) and "H" (horizontal) coordinates:

ACCESS SERVICES

SECTION 3 -- REGULATIONS3.7 Application of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)
(A) (Cont'd.)

| | | Host Switch | | Remote Serving | |
|--------------|----------------|-------------|--------------------|----------------|--------------------|
| <u>State</u> | <u>NPA-NXX</u> | <u>CLLI</u> | <u>"V" and "H"</u> | <u>Area</u> | <u>"V" and "H"</u> |
| MA | 617-670 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04422 H=01249 |
| | 617-718 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04421 H=01258 |
| | 617-795 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04438 H=01267 |
| | 617-879 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04431 H=01254 |
| | 617-948 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04422 H=01249 |
| | 617-987 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04433 H=01259 |
| | 617-800 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04425 H=01258 |
| | 617-276 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04431 H=01251 |
| | 617-337 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04419 H=01252 |
| | 617-379 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04432 H=01242 |
| | 617-237 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04434 H=01228 |
| | 617-334 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04425 H=01245 |
| | 617-553 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04411 H=01242 |
| | 781-209 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04437 H=01274 |
| | 781-316 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04422 H=01269 |
| | 781-559 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04453 H=01261 |
| | 781-491 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04410 H=01278 |
| | 781-539 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04417 H=01264 |
| | 781-652 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04424 H=01283 |
| | 781-750 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04411 H=01286 |
| | 781-381 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04452 H=01248 |
| | 781-731 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04393 H=01245 |
| | 781-776 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04390 H=01237 |
| | 781-448 | BRTNMAC06MD | V=04472 H=01284 | BRTNMAC003T | V=04446 H=01199 |

ACCESS SERVICES

SECTION 3 -- REGULATIONS

3.7 Applications of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)

(A) (cont'd.)

| State | NPA-NXX | Host Switch | | Remote Serving | |
|-------|---------|--------------|--------------------|----------------|--------------------|
| | | <u>CCLI</u> | <u>"V" and "H"</u> | <u>Area</u> | <u>"V" and "H"</u> |
| MA | 781-867 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04474 H=01231 |
| | 781-428 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04440 H=01222 |
| | 781-630 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04423 H=01211 |
| | 781-546 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04418 H=01189 |
| | 781-361 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04450 H=01156 |
| | 781-269 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04665 H=01244 |
| | 508-405 | FRMNMAUN0MDM | V=04472 H=01284 | FRMNMAUN04T | V=04472 H=01284 |
| | 508-315 | SBTNMAFHDS0 | V=04423 H=01245 | FRMNMAUN04T | V=04463 H=01274 |
| | 508-510 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04465 H=01205 |
| | 508-440 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04503 H=01254 |
| | 508-525 | BRTNMAC06MD | V=04472 H=01284 | BRTNMACO03T | V=04532 H=01131 |
| | 508-461 | WRCSMACEX0X | V=04514 H=01330 | WRCSMACE03T | V=04558 H=01309 |
| | 508-439 | WRCSMACEX0X | V=04514 H=01330 | WRCSMACE03T | V=04493 H=01307 |
| | 508-425 | WRCSMACEX0X | V=04514 H=01330 | WRCSMACE03T | V=04513 H=01330 |
| | 978-267 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04401 H=01290 |
| | 978-325 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04338 H=01235 |
| | 978-653 | SBTNMAFHDS0 | V=04423 H=01245 | CMBRMA0118T | V=04360 H=01261 |
| | 978-631 | FRMNMAUN0MD | V=04472 H=01284 | FRMNMAUN04TD | V=04442 H=01315 |
| | 978-917 | FRMNMAUN0MD | V=04472 H=01284 | FRMNMAUN04T | V=04457 H=01294 |
| | 978-480 | FRMNMAUN0MD | V=04725 H=01284 | FRMNMAUN04T | V=04435 H=01373 |
| | 978-566 | LWRNMACAX0X | V=04373 H=01310 | LWRNMACA03T | V=04373 H=01311 |
| | 978-518 | LWRNMACAX0X | V=04373 H=01310 | LWRNMACA03T | V=04326 H=01289 |
| | 978-467 | LWRNMACAX0X | V=04373 H=01310 | LWRNMACA03T | V=04464 H=01361 |
| | 978-558 | WRCSMACEX0X | V=04514 H=01330 | WRCSMACE03T | V=04465 H=01330 |

ACCESS SERVICES

SECTION 3 -- REGULATIONS3.7 Application of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)

(A) (Cont'd.)

| <u>State</u> | <u>NPA-NXX</u> | <u>Host Switch</u> | | <u>Remote Serving</u> | |
|--------------|----------------|--------------------|--------------------|-----------------------|--------------------|
| | | <u>CCLI</u> | <u>"V" and "H"</u> | <u>Area</u> | <u>"V" and "H"</u> |
| MA | 978-230 | WRCSMACEX0XX | V=04514 H=01330 | WRCSMACE03T | V=04464 H=01361 |
| | 978-574 | WRCSMACEX0XX | V=04514 H=01330 | WRCSMACE03T | V=04499 H=01328 |
| | 978-636 | WRCSMACEX0XX | V=04514 H=01330 | WRCSMACE03T | V=04517 H=01389 |
| | 978-754 | WRCSMACEX0XX | V=04514 H=01330 | WRCSMACE03T | V=04479 H=01397 |
| | 978-633 | WRCSMACEX0XX | V=04514 H=01330 | WRCSMACE03T | V=04508 H=01438 |

ACCESS SERVICES

SECTION 3 – REGULATIONS3.7 Applications of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)

(A) (cont'd.)

| <u>State</u> | <u>NPA-NXX</u> | <u>Host Switch</u> | | <u>Remote Serving</u> | |
|--------------|----------------|--------------------|--------------------|-----------------------|--------------------|
| | | <u>CLLI</u> | <u>"V" and "H"</u> | <u>Area</u> | <u>"V" and "H"</u> |
| NY | 718-223 | NYCKNYWM6MD | V=04998 H=01396 | NYCKNYWM12T | V=05004 H=01392 |
| | 718-552 | NYCKNYWM6MD | V=04998 H=01396 | NYCKNYWM12T | V=05004 H=01392 |
| | 718-440 | NYCKNYWM6MD | V=04998 H=01396 | NYCKNYWM12T | V=04986 H=01395 |
| | 718-606 | NYCKNYWM6MDD | V=04998 H=01396 | NYCKNYWM12T | V=04986 H=01395 |
| | 718-577 | NYCKNYWM6MD | V=04998 H=01306 | NYCKNYWM12T | V=04988 H=01278 |
| | 718-598 | NYCKNYWM6MD | V=04998 H=01396 | NYCKNYWM12T | V=04980 H=01396 |
| | 212-217 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01407 |
| | 212-842 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01406 |
| | 212-706 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01406 |
| | 212-784 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01406 |
| | 718-414 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01406 |
| | 718-509 | NYCLNYOJDS0 | V=05001 H=01407 | NYCMNY3706T | V=04997 H=01406 |
| | 516-406 | GRCYNYGC5MD | V=04958 H=01355 | GRCYNYGC02T | V=04961 H=01355 |
| | 914-418 | WHPLNYWPJMD | V=05001 H=01407 | WHPLNYWP06T | V=04922 H=01431 |
| | 914-402 | WHPLNYWPJMD | V=05001 H=01407 | WHPLNYWP06T | V=04894 H=01470 |
| | 914-922 | WHPLNYWPJMD | V=05001 H=01407 | WHPLNYWP06T | V=04894 H=01470 |
| | 516-708 | GRCYNYGC5MD | V=04958 H=01355 | GRCYNYGC02T | V=04956 H=01378 |

ACCESS SERVICES

SECTION 3 -- REGULATIONS (cont'd.)3.7 Applicaiton of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)

(A) (cont'd.)

| <u>State</u> | <u>NPA-NXX</u> | <u>Host Switch</u> | | <u>Remote Serving</u> | |
|--------------|----------------|--------------------|--------------------|-----------------------|--------------------|
| | | <u>CLLI</u> | <u>"V" and "H"</u> | <u>AREA</u> | <u>"V" and "H"</u> |
| PA | 610-351 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05166 H=01585 |
| | 610-419 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05157 H=01574 |
| | 610-443 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05159 H=01592 |
| | 610-438 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05128 H=01563 |
| | 610-421 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05181 H=01579 |
| | 610-365 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05126 H=01581 |
| | 610-434 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05181 H=01464 |
| | 610-787 | NATNPAAGDS0 | V=05146H=01593 | FTWSPAFW72T | V=05239 H=01506 |
| | 610-440 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05154 H=01598 |
| | 610-677 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05249 H=01477 |
| | 215-326 | NATNPAAGDS0 | V=05146 H=02593 | FTWSPAFW72T | V=05222 H=01493 |
| | 215-758 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05222 H=01474 |
| | 610-441 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05293 H=01521 |
| | 215-318 | NATNPAAGDS0 | V=05146 H=01593 | FTWSPAFW72T | V=05196 H=01494 |
| | 215-261 | NATNPAAGDS0 | V=05225 H=01593 | PHLAPAMK72T | V=05236 H=01475 |
| | 215-437 | PHLAPAPIQMD | V=05225 H=01463 | PHLAPAMK72T | V=05219 H=01458 |
| | 215-756 | PHLAPAP10MD | V=05225 H=01463 | PHLAPAMK72T | V=05257 H=01469 |

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.7 Application of Rates (cont'd.)3.7.2 Rates Based Upon Distance (cont'd.)

(B) The airline distance between any two wire centers is determined as follows:

- (1) Obtain the "V" and "H" coordinates for each wire center from the above-referenced NECA tariff.
- (2) Compute the difference between the "V" coordinates of the two wire centers; and the difference between the two "H" coordinates.
- (3) Square each difference obtained in step (2) above.
- (4) Add the square of the "V" difference and the square of the "H" difference obtained in step (3).
- (5) Divide the sum of the squares by 10. Round to the next higher whole number if any fraction is obtained.
- (6) Obtain the square root of the whole number result obtained above. Round to the next higher whole number if any fraction is obtained. This is the airline mileage.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.8 Allowances for Interruptions in Service

Interruptions in service, which are not due to the negligence of, or noncompliance with the provisions of this tariff by, the Customer or the operation or malfunction of the facilities, power or equipment provided by the Customer, will be credited to the Customer as set forth in 3.9.1 following for the part of the service that the interruption affects.

3.8.1 Credit for Interruptions

- (A) A credit allowance will be made when an interruption occurs because of a failure of any component furnished by the Company under this tariff. An interruption period begins when the Customer reports a service, facility or circuit to be interrupted and releases it for testing and repair. An interruption period ends when the service, facility or circuit is operative. If the Customer reports a service, facility or circuit to be inoperative but declines to release it for testing and repair, it is considered to be impaired, but not interrupted.
- (B) For calculating credit allowances, every month is considered to have thirty (30) days. A credit allowance is applied on a pro rata basis against the rates specified hereunder and is dependent upon the length of the interruption. Only those facilities on the interrupted portion of the circuit will receive a credit.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.8 Allowances for Interruptions in Service (cont'd.)3.8.1 Credit for Interruptions (cont'd.)

- (B) A credit allowance will be given for interruptions of thirty (30) minutes or more. Credit allowances shall be calculated as follows:

Interruptions of 24 Hours or Less

| <u>Length of Interruption</u> | <u>Interruption Period To Be Credited</u> |
|---|---|
| Less than 30 minutes | None |
| 30 minutes up to but not including 3 hours | 1/10 Day |
| 3 hours up to but not including 6 hours | 1/5 Day |
| 6 hours up to but not including 9 hours | 2/5 Day |
| 9 hours up to but not including 12 hours | 3/5 Day |
| 12 hours up to but not including 15 hours | 4/5 Day |
| 15 hours up to but not including 24 hours | One Day |

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.8 Allowances for Interruptions in Service (cont'd.)3.8.1 Credit for Interruptions (cont'd.)(B) (cont'd.)

Two (2) or more interruptions of fifteen (15) minutes or more during any one twenty-four (24) hour period shall be considered as one (1) interruption.

Interruptions Over 24 Hours and Less Than 72 Hours

Interruptions over twenty-four (24) hours and less than seventy-two (72) hours will be credited one-fifth (1/5) day for each 3-hour period or fraction thereof. No more than one (1) full day's credit will be allowed for any period of twenty-four (24) hours.

Interruptions Over 72 Hours

Interruptions over seventy-two (72) hours will be credited two (2) days for each full twenty-four (24) hour period. No more than thirty (30) days credit will be allowed for any one (1) month period.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)3.8 Allowances for Interruptions in Services (cont'd.)3.8.2 Limitations on Allowances

No credit allowance will be made for:

- (A) interruptions due to the negligence of, or noncompliance with the provisions of this tariff by, the Customer, authorized user, joint user, or other common carrier providing service connected to the service of the Company;
- (B) interruptions due to the negligence of any person other than the Company, including but not limited to the Customer or other common carriers connected to the Company's facilities;
- (C) interruptions due to the failure or malfunction of non-Company equipment;
- (D) interruptions of service during any period in which the Company is not given full and free access to its facilities and equipment for the purpose of investigating and correcting interruptions;
- (E) interruptions of service during a period in which the Customer continues to use the service on an impaired basis;
- (F) interruptions of service during any period when the Customer has released service to the Company for maintenance purposes or for implementation of a Customer order for a change in service arrangements; and
- (G) interruption of service due to circumstances or causes beyond the control of Company.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.9 Transport and Termination of Local Exchange or Exchange Access Traffic for Other Carriers

- A) Where another telecommunications carrier (certificated local exchange carrier or commercial mobile radio service provider) offers local exchange or exchange access service within any of the same exchange area(s) as the Company, and there is no existing Traffic Exchange Agreement (Contract), the Company will provide transport and termination of local and local-toll calls to such other carrier on a reciprocal basis. As a condition of receiving service under this Section 3.9, the other carrier must provide comparable transport and termination services to the Company at no charge.

Should the other local exchange carrier dispute this "bill and keep" traffic exchange arrangement and apply tariffed transport and termination charges for local and local-toll traffic, the Company (RCN) reserves the right to reciprocate and charge the identical rates for traffic it terminates on behalf of the other local exchange carrier. Any tariffed rates should not exceed the FCC's Remand Order minutes to use charges effective June 14th, 2001 of \$.0015 to December 14, 2001, \$.001 to June 14, 2003 and \$.0007 thereafter. Any local-toll tariffed rates should not exceed the Incumbent Local Exchange Carrier's switched access rates in the given service area.

- B) Transport and termination of local and local-toll calls pursuant to this Section 3.9 provides routing and completion of calls between a point of interconnection and the dialed end user on the Company's network. The Company will provide the local Transport, switching and end user termination functions necessary to complete the transmission of these calls within the local and local-toll calling area.

- 1) Unless otherwise agreed, the point of interconnection shall be the Incumbent Local Exchange Carrier tandem switch serving each exchange area(s) in which the Company is providing transport and termination services.
 - 2) Upon request, the other carrier may relocate the point of interconnection to the Company switching office by providing facilities to deliver its traffic to that point, and by accepting the Company's local and local-toll traffic for transport and termination at that same
 - 3) The two companies may also establish other point(s) of interconnection by mutual agreement.
- C) It is the other carrier's responsibility to provide facilities for delivery of its local and local-toll calls to the point of interconnection. The other carrier's facilities shall provide the necessary on-hook, off-hook answer and disconnect supervision. The other carrier shall provide a sufficient number of circuits to permit completion of calls without unreasonable blocking, and shall augment its facilities as necessary from time to time to maintain an adequate grade of service
- D) Facilities provided under this Section 2.14 may be used to access valid NXX codes and/or Local Routing Numbers (LRNs) assigned to the Company. Unless otherwise specified in this Section 3.9, technical specifications for trunk groups provided under this section are the same as those for switched access trunks.

ACCESS SERVICES

Section 3 -- REGULATIONS (cont'd.)

3.9 Transport and Termination of Local Exchange or Exchange Access Traffic for Other Carriers (cont'd)

- E) This Section 3.9 applies only to local and local-toll calls as defined in the Company's Intrastate Local Exchange Tariffs.. This Section 3.9 does not apply to calls to local operator assistance (O- and O+), local Directory Assistance, N11 service codes, 950-XXXX and 101-XXXX access codes or to a TRS center. Termination of these and all other types of traffic must be obtained pursuant to other sections of this Tariff.
- F) This Section 3.9 is not applicable to any carrier that has entered into a separate agreement with the Company containing rates, terms, and conditions for transport and termination of local and local-toll calls. In any case where the Company and another carrier are exchanging traffic pursuant to this Section 3.9, either the Company or the other carrier may at any time request that the other enter into a separate agreement concerning such rates, terms, and conditions.
- G) The services provided under this Tariff shall be maintained by the Company. The other carrier may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company, other than by connection or disconnection to any interface means used. The provision of transport and termination by the Company as set forth in this Tariff does not constitute a joint undertaking with the other carrier for the furnishing of any service.

3.10 Origination and Termination of VoIP-PSTN Toll Traffic

The Company will provide origination and termination of jurisdictionally interstate VoIP-PSTN Toll Traffic over switched access facilities provided pursuant to this Tariff. Unless otherwise provided in a separate agreement between the Company and a Customer, the terms, conditions, and charges for origination and termination of jurisdictionally interstate VoIP-PSTN Toll Traffic will be identical to the terms, conditions, and charges for originating or terminating Switched Access Service, as the case may be, using the same facilities and functions, as set forth in Sections 7 and 9, following.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE

4.1 General Description

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to Customers in conjunction with Switched Access Service provided in Section 7 of this tariff or the appropriate Switched Access Service section of other Access Service tariffs.

Carrier Common Line Access provides for the use of Company provided end users' common lines by Customers for access to such end users to furnish Interstate Communications.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.2 Limitations4.2.1 Exclusions

Neither a telephone number nor detail billing are provided with Carrier Common Line Access. Additionally, directory listings and intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

4.2.2 Access Groups

All trunk side connections provided in the same access group will be limited to the same features and operating characteristics.

4.3 Undertaking of the Company4.3.1 Provision of Service

Where the Customer is provided Switched Access Service under other sections of this or other Access Service tariffs, the Company will provide the use of Company common lines by a Customer for access to end users in accordance with the rates set forth in 9.1.3 following.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.3 Undertaking of the Company (cont'd.)4.3.2 Interstate and Intrastate Use

The Switched Access Service provided by the Company includes the Switched Access Service provided for both interstate and intrastate communications. The Carrier Common Line Access rate set forth in Section 9.1.3 following applies to interstate Switched Access Service access minutes in accordance with the rate regulations as set forth in 4.7.5 following (Percent Interstate Use).

4.4 Obligations of the Customer4.4.1 Switched Access Service Requirement

The Switched Access Service associated with Carrier Common Line Access shall be ordered by the Customer under other sections of this tariff.

4.4.2 Supervision

The Customer facilities at the premises of the ordering Customer shall provide the necessary on-hook and off-hook supervision.

4.5 Determination of Usage Subject to Carrier Common Line Access Charges

Except as set forth herein, all Switched Access Service provided to the Customer will be subject to Carrier Common Line Access charges.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)

4.5 Determination of Usage Subject to Carrier Common Line Access Charges (cont'd.)

4.5.1 Determination of Jurisdiction

When the Customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the Customer for interstate will be determined as set forth in 4.6.5 following (Percentage Interstate Use).

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.6 Rate Regulations4.6.1 Billing of Charges

Carrier Common Line charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in 4.6 following (PIU).

4.6.2 Measuring and Recording of Call Detail

When access minutes are used to determine Carrier Common Line charges, they will be accumulated using call detail recorded by Company equipment, except as set forth in 4.6.4 following (Unmeasured FGB Usage), and automated operator services systems call detail such as pay telephone sent-paid, collect, credit-card, third number and/or other like calls recorded by the Customer. The Company measuring and recording equipment, except as set forth in 4.6.4 following (Unmeasured FGB Usage), will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed on a line by line basis, by line group or by end office, whichever type of account is used by the Company, for each Customer and then rounded to the nearest minute.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.6 Rate Regulations (cont'd.)4.6.3 Unmeasured Feature Group B Usage

When Carrier Common Line Access is provided in association with Feature Group B Switched Access Service in Company offices that are not equipped for measurement capabilities, an assumed average interstate access minutes will be used to determine Carrier Common Line Access charges. These assumed access minutes are as set forth in the exchange carriers' access tariffs.

4.6.4 Percent Interstate Use (PIU)

When the Customer reports interstate and intrastate use of in-service Switched Access Service, Carrier Common Line charges will be billed only to interstate Switched Access Service access minutes based on the data reported by the Customer as set forth in 3.3.3 preceding (Jurisdictional Reports Requirements), except where the Telephone Company is billing according to actuals by jurisdiction.

4.6.5 Determination of Charges

After the adjustments as set forth in 4.6.4 preceding have been applied, when necessary, to Switched Access Service access minutes, charges for the involved Customer account will be determined as follows:

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.6 Rate Regulations (cont'd.)4.6.5 Determination of Charges (cont'd.)

(A) The terminating Access per minute charge(s) apply to:

- all terminating access minutes of use;
- less those terminating access minutes of use associated with Mobile Telephone Switching Offices (MTSOs).
- all originating access minutes of use associated with calls placed to 700, Toll Free 800 Series and 900 numbers, less those originating access minutes of use associated with calls placed to 700, Toll Free 800 Series and 900 numbers for which the Customer furnishes for each month a report of either the number of calls or minutes or a report of the percent of calls or minutes that terminate in a Switched Access Service that is assessed Carrier Common Line charges.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.6 Rate Regulations (cont'd.)4.6.5 Determination of Charges (cont'd.)(A) (cont'd.)

When the Customer makes this report available to the Company in advance of billing, these minutes of use will be charged on the current bill as originating minutes of use as set forth in 4.6.5(B) following. If a billing dispute arises concerning the Customer provided report, the Company will request the Customer to provide the data the Customer used to develop the report. The Company will not request such data more than once a year. The Customer shall supply the data within thirty (30) days of the Telephone Company request.

When this report is not available to the Company until after billing, it shall be used by the Company to calculate and post a credit to the Customer's account. The credit shall be posted to the Customer's account within thirty (30) days of receipt of the report. The credit shall be calculated by multiplying the number of access minutes of use, for which a credit is determined to be applicable, times the difference between the terminating and originating Carrier Common Line charges in effect when the calls were completed.

ACCESS SERVICES

Section 4 -- CARRIER COMMON LINE (cont'd.)4.6 Rate Regulations (cont'd.)4.6.5 Determination of Charges (cont'd.)

(B) The originating Access, per minute charge(s) apply to:

- all originating access minutes of use;
- less all originating access minutes of use associated with calls placed to 700, Toll Free 800 Series and 900 numbers;
- less those originating access minutes of use associated with Mobile Telephone Switching Offices (MTSOs).
- plus all originating access minutes of use associated with calls placed to 700, Toll Free 800 Series and 900 numbers for which the Customer furnishes for each month a report of either the number of calls or minutes or a report of the percent of calls or minutes that terminate in a Switched Access Service that is assessed Carrier Common Line charges, and for which a corresponding reduction in the number of terminating access minutes of use has been made as set forth in 4.6.5(A) preceding.
- Terminating access for 800 traffic will be billed at the prevailing originating composite switched access rate in section 9.1.3 following where such traffic is identifiable; otherwise, prevailing terminating composite switched access rates apply.

ACCESS SERVICES

Section 5 - END USER ACCESS SERVICE

5.1 The Company will provide End User Access Service (End User Access) to end users who obtain local exchange service from the Company under its general and/or local exchange tariffs.

5.2 General Description

End User Access provides for the use of an End User Common Line.

5.3 Limitations

Telephone number detail billing, directly listings and intercept arrangements are not included with End User Access.

5.4 Undertaking of the Company

The Company will provide End User Access at rates and charges as set forth in Section 9.1.3(B) as follows:

- Use of an End User Common Line (EUCL) for interstate Access Services provided under this tariff. Such use will be provided when the end user obtains local exchange service.
- The Company will be responsible for contacts and arrangements with customers for the billing of End User Access charges.

ACCESS SERVICES

Section 5 - END USER ACCESS SERVICE (cont'd.)5.5 Payment Arrangements and Credit Allowances

- 5.5.1 Minimum Period. The minimum period for which EUCL End User Access is provided to an end user and for which charges are applicable is the same as that in the general and/or local exchange tariffs for the associated local exchange service.
- 5.5.2 Cancellation of Orders. End User Access is canceled when the order for the associated local telephone exchange service is canceled. No cancellation charges apply.
- 5.5.3 Changes to Orders. When changes are made to orders for the local exchange service associated with End User Access, any necessary changes will be made for End User Access. No charges will apply.
- 5.5.4 Allowance for Interruptions. When there is an interruption to an EUCL, requested End User Access credit allowances for interruptions will be provided as set forth for credit allowance for interruptions in Section 3.8.1 preceding.
- 5.5.5 Temporary Suspension of Service. When an end user temporarily suspends its local exchange service which is associated with EUCL, one-half of the EUCL per month charge will be temporarily suspended for the time period the local exchange service is suspended.
- 5.5.6 Lifeline Service. Eligible recipients of Lifeline Service will receive a credit equal to 100% of the EUCL per month charge.

ACCESS SERVICES

Section 5 - END USER ACCESS SERVICE (cont'd.)5.6 Rate Regulations

5.6.1 EUCL per month charges will be billed to the end user of the associated Local Exchange Service.

5.6.2 The EUCL charge for each multiparty subscriber shall be assessed as if the subscriber had subscribed to single-party service.

5.6.3 Business ServicesSingle Line Service.

When an end user is provided a single local business exchange service in a state, multi line and centrex services included, and when the local business exchange service is provided under the general or local exchange or centrex service tariffs, the EUCL Single Line Business -- Individual line or trunk rate service in Section 9.1.3(B) following, applies to each such business individual line or trunk. In the case of multiparty service each party is deemed to be a user of an EUCL.

Multiline Service

When an end user is provided more than one local business exchange service in a state by the Company, multiparty and centrex services included, and when the local exchange service is provided under the general and/or local exchange tariffs, the EUCL Multiline Business - Individual line or trunk rate as set forth in 9.1.3(B) following applies to each such Multiline Business individual line or trunk. In the case of Multiparty service each party is deemed to be a user of an EUCL.

ACCESS SERVICES

Section 5 - END USER ACCESS SERVICE (cont'd.)5.6 Rate Regulations5.6.3 Business Services (cont'd)Centrex Central Office Services

Business or residence single line or multiline usage for Centrex Central Office Services is determined as set forth earlier in this Section 5.6.3.

Centrex service provided to a college or university or school may service both the college, university or school offices and the student or faculty dormitory (residential) quarters. When provided to residential quarters, the residential portion of the service is commonly known as dormitory service. Residential charges will apply to lines to the student or faculty dormitory (residential) quarters as set forth in Section 9.1.3(B) following. Business charges for lines to the university, college, or school offices will apply as set forth in 9.1.3(B) following. Charges shall be based on the number of residence and business lines reported to the Company by the end user.

5.6.4 Residence ServiceSingle Line and Multiline Service

When an end user is provided local residence exchange service(s) in a state, multiparty and Centrex service is included, and when the local residence exchange or centrex service is provided under the general and/or local exchange tariffs, the EUCL Residence - Individual line or trunk rate as set forth in Section 9.1.3(B) following, applies to each such local residence exchange trunk. In the case of multiparty service each party is deemed to be a user of an EUCL.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER**6.1 General**

An Access Service Order is used by the Company to provide a Customer Access Service. A Customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.

When placing an order for Access Service, the Customer shall provide to the Company the order information required in Section 6.2 in addition to the following:

- Customer name and premises address(es).
- Billing name and address (when different from Customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

6.2 Ordering Requirements

When ordering Switched Access service, the Customer must specify whether the service is to be provided as:

- Direct Trunked Transport to the end office,
- Direct Trunked Transport to a tandem which connects with Common Transport from the tandem to the end office, or
- Common Transport to the end office.

When all or a portion of service is ordered as Direct Trunked Transport, the Customer must specify the type and quantity of Direct Trunked Transport Facility (i.e., High Capacity DS1).

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.2 Ordering Requirements (cont'd.)

The Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the Customer must specify the facility assignment and the channel assignment for each trunk.

6.2.1 For Feature Group B Switched Access Service, the Customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching options desired. When ordering FGB trunks to an access tandem, the Customer must also provide the Company an estimate of the amount of traffic to be generated to and/or from each end office subtending the access tandem to assist the Company in the effort to project further facility requirements.

In addition, the Customer shall also specify for terminating only access, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.2 Ordering Requirements (cont'd.)

6.2.2 For Feature Group D Switched Access Service, the Customer shall specify the number of busy hour minutes of capacity (BHMC) from the Customer's premises to the end office by traffic type. This information is used to determine the number of transmission paths. The Customer shall also specify the Local Transport and Local Switching options. Customers may, at their option, order FGD by specifying the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching options desired. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the Customer must also provide the Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Company in its own efforts to project further facility requirements.

When a Customer orders FGD in trunks, the Customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.2 Ordering Requirements (cont'd.)

6.2.3 For 800 Data Base Access Service, the Customer shall order the service in accordance with the preceding provisions set forth for Feature Group D. If the Customer desires any of the optional features available with Toll Free 800 Series Data Base Service, the Customer shall so specify on the order for service.

6.2.4 When a Customer orders collocation in an end office and/or access tandem with Company provided Switched Access Service(s), the Customer must specify the collocated fiber optic facilities or microwave interconnection location involved. The Customer must also specify the particular end office or access tandem location involved, which must be the end office in which the Switched Access Service(s) originate or terminate, or an Access Tandem in which such service(s) are switched.

6.3 Access Order Service Date Intervals

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval
- Advance Order Interval

To the extent Access Service can be made available with reasonable effort, the Company will provide Access Service in accordance with the Customer's requested interval, subject to the following conditions.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.3 Access Order Service Date Intervals (cont'd.)6.3.1 Standard Interval

A schedule of Standard Intervals applicable for Switched Access Services and is as follows:

Feature Groups B and D Standard Interval

1 to 4 Trunks 28 Days

5 to 8 Trunks 30 Days

If a Customer requests that installation be done outside of normal scheduled work hours, and the Company agrees to this request, the Customer will be subject to applicable Additional Labor Charges as set forth in Section 9.2.2 following.

A Service Date Change Charge as set forth in Section 9.1.2(A) following will apply for the change in service date on a pending Standard Interval Access Order.

6.3.2 Negotiated Interval

The Company will negotiate a service date interval with the Customer when:

- (A) There is no Standard Interval for the service, or;
- (B) The quantity of Access Services orders exceeds the quantities specified in the Standard Intervals, or;
- (C) The Customer requests a service date beyond the applicable Standard Interval service date except as set forth in (C) following.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.3 Access Order Service Date Intervals (cont'd.)6.3.2 Negotiated Interval (cont'd.)

The Company will offer a service date based on the type and quantity of Access Services the Customer has requested. The Negotiated Interval may not exceed by more than six (6) months the Standard Interval service date, or, when there is no Standard Interval, the Company offered service date. All services for which rates are applied on an individual case basis are provided with a Negotiated Interval.

Common Channel Signaling Access (CCSA) links will be provided on a Negotiated Interval. New or existing FGD trunks ordered with the SS7 signaling option will be provided on a Negotiated Interval.

The addition and/or deletion of an 800 Access Service six (6) digit Customer identification NXX is provided with a Negotiated Interval. The addition of an 800 Access Service ten digit Customer identification record to the 800 Access Service data base or the deletion of an 800 Access Service ten digit Customer identification record from the 800 Access Service data base is provided with a Negotiated Interval.

Maximum Interval

Initial establishment of
service where Customer is:

- | | |
|---|----------|
| - Not yet provided with any FGB or FGD service in the LATA | 6 months |
| - Provided FGB or FGD service in the LATA | 90 Days |

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.3 Access Order Service Date Intervals (cont'd.)6.3.3 Advance Order Interval

When placing an Access Order, a Customer may request an Advance Order Interval for a service date of twelve (12) to twenty-four (24) months from the Application Date for the following services:

- A minimum of twenty-four (24) voice grade equivalent Switched Access Service lines or trunks or 720 BHMCs

Orders for less than the minimum quantities will be accommodated under Standard or Negotiated Interval provisions.

Advance Order Interval Access Orders are subject to all ordering conditions of Standard and Negotiated Interval Access Orders except for the following:

(A) Advance Payment

A nonrefundable Advance Payment will be calculated as follows:

Advance Payment (Nonrefundable) the minimum (Nonrefundable) monthly charge for the minimum period plus the applicable Nonrecurring Charges for the services ordered.

This Advance Payment is due ten (10) working days from the date the Company confirms acceptance of the order, or on the Application Date, whichever date is the later date. If the Advance Payment is not received by such payment date, the order will be canceled.

When the Access Services are connected on the service date, the Advance Payment will be applied, as a credit, to the Customer's billed service charges. When there has been a decrease in the number of services originally ordered, as set forth in 6.3.1(B) following, only the portion of the Advance Payment for services actually installed will be credited.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)

6.3 Access Order Service Date Intervals (cont'd.)

6.3.3 Advance Order Interval (cont'd.)

(B) Cancellation or Partial Cancellation of an Advance Order Interval Access Order

When the Customer cancels an Access Order, the order will be withdrawn. The Advance Payment will not be credited or refunded.

Any decrease in the number of ordered Access Services will be treated as a partial cancellation, and the portion of the Advance Payment for the services canceled will not be credited or refunded.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd.)6.4 Access Order Modifications

The Customer may request a modification of its Access Order at any time prior to notification by the Company that service is available for the Customer's use or prior to the service date, whichever is later.

Any increase in the number of Switched Access Service lines, trunks or busy hour minutes of capacity or STP Access signaling connections will be treated as a new Access Order (for the increased amount only).

6.4.1 Service Date Change Charge

Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than thirty (30) calendar days. When, for any reason, the Customer indicates that service cannot be accepted for a period not to exceed thirty (30) calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the Customer requested service date is more than thirty (30) calendar days after the original service date, the order will be canceled by the Company and reissued with the appropriate cancellation charges applied.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is as set forth in Section 9.1.2(A) following.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd)6.4 Access Order Modifications (cont'd.)6.4.2 Partial Cancellation Charge

Any decrease in the number of ordered Switched Access Service lines, trunks or busy hour minutes of capacity ordered with a Standard or Negotiated Interval Access Order will be treated as a partial cancellation and the charges as set forth in Section 6.5.2(A) following will apply. Partial cancellation charges do not apply to Advance Order Interval Access Orders.

6.4.3 Design Change Charge

The Customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. Design changes do not include a change of Customer premises, end user premises, end office switch, Feature Group type except for changes to Feature Group D. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is set forth in Section 9.1.2(B) following in addition to Additional Engineering as set forth in 9.2.2 following. If a change of service date is required, the Service Date Change Charge will also apply.

6.4.4 Expedited Order Charge

When placing an Access Order for services(s) for which Standard Intervals exist, a Customer may request a service date that is prior to the Standard Interval service date. A Customer may also request an earlier service date on a pending Standard, Negotiated or Advance Order Interval Access Order. If the Company agrees to provide service on an expedited basis, an Expedited Order Charge will apply, as set forth in 9.1.2(C) following.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd)6.5 Cancellation of an Access Order

6.5.1 A Customer may cancel an Access Order for the installation of service at any time prior to notification by the Company that service is available for the Customer's use or prior to the service date, whichever is later. The cancellation date is the date the Company receives written or verbal notice from the Customer that the order is to be canceled. The verbal notice must be followed by written confirmation within ten (10) days. If a Customer or an end user is unable to accept Access Service within thirty (30) calendar days after the original service date, the Customer has the choice of the following options:

- The Access Order shall be canceled and charges set forth in (B) following will apply, or
- Billing for the service will commence.

If no cancellation request is received within the specified thirty (30) calendar days, billing for the service will commence. In any event, the cancellation date or the date billing is to commence, as applicable, shall be the thirty-first (31st) day beyond the original service date of the Access Order.

6.5.2 When a Customer cancels a Standard or Negotiated Interval Access Order for the installation of service, a Cancellation Charge will apply as follows:

- (A) When the Customer cancels an Access Order, a charge equal to the estimated provisioning costs incurred at a particular date for the service ordered by the Company shall apply.
- (B) If the Company misses a service date for a Standard or Negotiated Interval Access Order by more than thirty (30) days, due to circumstances such as acts of God, governmental requirements, work stoppages and civil commotions, the Customer may cancel the Access Order without incurring cancellation charges.

ACCESS SERVICES

Section 6 -- ACCESS SERVICE ORDER (cont'd)6.6 Minimum Period

- 6.6.1 The minimum period for which Access Service is provided and for which charges are applicable, is one month.
- 6.6.2 The following changes will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service.

The changes listed below are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

- (A) A move to a different building.
 - (B) A change in type of service.
 - (C) A change in Switched Access Service Interface Group.
 - (D) Change in Switched Access Service traffic type.
 - (E) Change in Company-provided Switched Access Service to a Collocated Interconnection arrangement or vice versa.
 - (F) Change to an existing Feature Group D Service to include the provision of 64 kbps Clear Channel Capability.
- 6.6.3 When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

The Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity.

All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE7.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point communications path between a Customer designated premises and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of common subscriber plant of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a Customer designated premises, and to terminate calls from a Customer designated premises to an end user's premises in the LATA where it is provided.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the Customer. Rates and charges for Switched Access Service are set forth in 9.1 following. The application of rates for Switched Access Service is described in 7.6 following.

7.1.1 Description and Provision of Switched Access Service Arrangements(A) Description

Switched Access Service is provided in two different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.1 Description and Provision of Switched Access Service Arrangements (cont'd.)(A) Description (cont'd.)

The provision of each Feature Group requires Local Transport facilities, including an Entrance Facility where required, and the appropriate End Office functions.

Following is a brief description of each type of service arrangement.

(1) Feature Group B (FGB)

FGB Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated uniform 950-XXXX access code for the Customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer-provided interstate communications capability. The Customer, upon request by the Company, must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communication is transported to another state. A more detailed description of FGB Access is provided in 7.4.1 following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.1 Description and Provision of Switched Access Service Arrangements (cont'd.)(A) Description (cont'd.)(2) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Company end office switches with an associated uniform 10XXX or 101XXXX access code for the Customer's use in originating and terminating communications. End users may also originate and terminate calls to a selected FGD Access customer without dialing the 10XXX or 101XXXX access code by using the Company's presubscription service. A more detailed description of FGD Access is provided in 7.4.2 following.

(B) Manner of Provision

Switched Access is furnished in quantities of trunks or in busy hour minutes of capacity (BHMCs). FGB Access is furnished on a per-trunk basis. FGD Access is furnished on a BHMC and on a per trunk basis as set forth in 6.2 preceding.

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the Customer.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd)7.1 General (cont'd.)7.1.1 Description and Provision of Switched Access Service Arrangements (cont'd.)(B) Manner of Provision (cont'd.)

There are three major BHMC categories identified as: Originating, Terminating and Directory Assistance. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the Customer; Terminating BHMCs represent access capacity within a LATA for carrying traffic from the Customer to the end user; and, Directory Assistance BHMCs represent access capacity within a LATA for carrying Directory Assistance traffic from the Customer to a Directory Assistance location. When ordering capacity for FGD Access in BHMCs, the Customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

Because some Customers will wish to further segregate their originating traffic into separate trunk groups, or because segregation may be required by network considerations, originating BHMCs are further categorized into Domestic, 700, 800, 900, Operator, IDDD and Operator Transfer Services.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories

There are four (4) rate categories which apply to Switched Access Service:

- Local Transport (described in 7.1.2(A) following)
- End Office (described in 7.1.2(B) following)
- Chargeable Optional Features (described in 7.1.2(C) following)
- Common Line (described in Section 4 preceding)

(A) Local Transport

The Local Transport rate category provides for transmission facilities between the Customer's premises or collocated interconnection location and the Company's end office switch(es) where the Customer's traffic is switched to originate or

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction and in the terminating direction, but not simultaneously.

Local Transport rates are set forth in 9.1.3 following. The application of these rates with respect to individual Feature Groups is as set forth in 7.6 following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(A) Local Transport (cont'd.)

The Local Transport Rate Category includes four (4) classifications of rate elements:

- Entrance Facility
- Direct Trunked Facility
- Common Transport
- Interconnection Charge

(1) Entrance Facility

The Entrance Facility rate element provides for the use of a communications path between a Customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer designated premises and the type of signaling capability, if any. Entrance Facility is available as Voice Grade and High Capacity service.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in 9.1.4(A) following will apply even if the customer designated premises and the serving wire center are collocated in a Company building.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)

7.1 General (cont'd.)

7.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(2) Direct Trunked Facility

The Direct Trunked Facility rate elements provides for the use of a communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single Customer.

Direct Trunked Facility is available in High Capacity DS1 circuits only.

Direct Trunked Transport rates are set forth in 9.1.4(A) following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(A) Local Transport (cont'd.)(3) Common Transport

The Common Transport rate elements provides for the use of a communications path between a serving wire center and an end office or between a tandem and an end office on circuits that are switched at a tandem.

Common Transport rates consist of a Common Transport Facility rate, a Common Transport Termination rate, and a Tandem Switching rate; the tandem switching rate being billed by the access tandem provider.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)

7.1 General (cont'd.)

7.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(3) Common Transport (cont'd.)

- (a) The Common Transport Facility charge, if applicable, is set forth in 9.1.4(A) following.
- (b) The Common Transport Termination rate, if applicable, is set forth in 9.1.4(A) following.
- (c) Tandem Switching provides for tandem switching facilities. Tandem switching is billed by the access tandem provider.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(A) Local Transport (cont'd.)(4) Interconnection Charge

The Interconnection Charge provides for the connection of Local Transport facilities used by a Customer (whether on a dedicated or common basis) to a Company switch performing end office functions. The charge is set forth in 9.1.4(A) following.

(5) Interface Groups

Three (3) Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in (a) through (c) following.

- (a) Interface Group 1 provides two-wire voice frequency transmission at the point of termination at the Customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)

7.1 General (cont'd.)

7.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(5) Interface Groups (cont'd.)

(b) Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the Customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

(c) Interface Group 6 provides DS1 level digital transmission at the point of termination at the Customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(A) Local Transport (cont'd.)(6) Optional Features

Where transmission facilities permit, the individual transmission paths between the Customer's designated premises and the first point of switching may, at the option of the Customer, be provided with the following optional features as set forth and described in 7.5 following.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination
- Signaling System 7 (SS7) Signaling
- Multiplexing

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(B) End Office

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category consists of the Local Switching rate element.

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, and the terminations of calls at Company Intercept Operators or recordings.

Where end offices are appropriately equipped, international dialing may be provided with Feature Group D service. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGD equipped end office.

The Local Switching rate element is set forth in 9.1.5 following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(B) End Office (cont'd.)

There are four types of functions included in the Local Switching rate element:

- Common Switching
- Transport Termination
- Line Termination
- Intercept

(1) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements.

Included as part of Common Switching are various nonchargeable and chargeable optional features which the Customer can order to meet the Customer's specific communications requirements. These optional features are described in 7.5.1 following.

(2) Transport Termination

Transport Termination functions provide for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of these functions are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 7.5.2 following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(B) End Office (cont'd.)(3) Line Termination

Line Termination provides for the terminations of end user lines in the local end office.

(4) Intercept

The Intercept function provides for the termination of a call at a Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.2 Rate Categories (cont'd.)(C) Chargeable Optional Features

Where facilities permit, the Company will, at the option of the Customer, provide the following chargeable optional features.

(1) 800 Series Data Base Access Service

800 Series Data Base Access Service is provided to Customers in conjunction with originating FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 data base to identify the Customer to whom the call will be delivered, time of day routing, day of week routing, specific date routing, geographic routing, and emergency routing. The Customer has the option of having the dialed 800 number (i.e., 800-NXX-XXXX) or, if the 800 Optional Features service is specified, a translated 10 digit POTS number (i.e., NPA-NXX-XXXX) delivered to the Customer. Rates for Customer Identification and Delivery Charge, and 800 Optional Features are as set forth in Section 9.1.6 following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.1 General (cont'd.)7.1.3 Design Layout Report

At the request of the Customer, the Company will provide to the Customer the makeup of the facilities and services provided from the Customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the Customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.2 Undertaking of the Company

In addition to the obligations of the Company set forth in Section 3 preceding, the Company has certain other obligations concerning the provision of Switched Access Service. These obligations are as follows:

7.2.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and Customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a Customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or Customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of service by the Customer, the Customer will be granted a Credit Allowance for Service Interruption as set forth in 3.8.1 preceding.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.2 Undertaking of the Company (cont'd.)7.2.2 Provision of Service Performance Data

Subject to availability, end-to-end service performance data is available to the Company through its own service evaluation routines, may also be made available to the Customer based on previously arranged intervals and format. This data provides information on overall end-to-end call completion and non-completion performance, e.g., Customer equipment blockage, failure results and transmission performance. This data does not include service performance data which is provided under other tariff sections, e.g., testing service results. If data is to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

7.2.3 Determination of Number of Transmission Paths

For Feature Group B, which is ordered on a per line or per trunk basis respectively, and Feature Group D when ordered on a per trunk basis the Customer specifies the type of transport facilities and the number of channels in the order for service.

For Common Transport, the Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group D busy hour minutes of capacity ordered. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 7.1.1(B) preceding) for the end offices for each Feature Group ordered from a Customer's designated premises. The total busy hour minutes of capacity by type (e.g., originating, terminating, IDDD, Operator) for the end office will be converted to transmission paths using standard Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of the end office switches only, or (3) the use of the tandem switches only.

7.2.4 Trunk Group Measurement Reports

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the Customer based on previously agreed to intervals.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.2 Undertaking of the Company (cont'd.)7.2.5 Design Blocking Probability

The Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the Customer's designated premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem.

Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

- (B) The Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the Customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.2 Undertaking of the Company (cont'd.)7.2.5 Design Blocking Probability (cont'd.)(B) (cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and Customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

| Number of Transmission Paths Per Trunk Group | Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group | | | |
|--|---|---------------------|--------------------|--------------------|
| | 15-20 | 11-14 | 7-10 | 3-6 |
| | <u>Measurements</u> | <u>Measurements</u> | <u>Measurement</u> | <u>Measurement</u> |
| 2 | 7.0% | 8.0% | 9.0% | 14.0% |
| 3 | 5.0% | 6.0% | 7.0% | 9.0% |
| 4 | 5.0% | 6.0% | 7.0% | 8.0% |
| 5-6 | 4.0% | 5.0% | 6.0% | 7.0% |
| 7 or more | 3.0% | 3.5% | 4.0% | 6.0% |

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.2 Undertaking of the Company (cont'd.)7.2.7 Design Blocking Probability (cont'd.)(B) (cont'd)

- (2) For transmission paths carrying first routed traffic between an end office and Customer's premises via an access tandem, the measured blocking thresholds are as follows:

| <u>Number of Transmission Paths Per Trunk Group</u> | <u>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group</u> | | | |
|---|--|---------------------|---------------------|---------------------|
| | <u>15-20</u> | <u>11-14</u> | <u>7-10</u> | <u>3-6</u> |
| | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> |
| 2 | 4.5% | 5.5% | 6.0% | 9.5% |
| 3 | 3.5% | 4.0% | 4.5% | 6.0% |
| 4 | 3.5% | 4.0% | 4.5% | 5.5% |
| 5-6 | 2.5% | 3.5% | 4.0% | 4.5% |
| 7 or more | 2.0% | 2.5% | 3.0% | 4.0% |

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.3 Obligations of the Customer

In addition to the obligations of the Customer set forth in Section 3. preceding, the Customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

7.3.1 Report Requirements

Customers are responsible for providing the following report to the Company, when applicable.

(A) Jurisdictional Reports

When a Customer orders Switched Access Service for both interstate and intrastate use, the Customer is responsible for providing reports as set forth in 3.3.3 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 3.3.3 preceding.

7.3.2 Trunk Group Measurement Reports

With the agreement of the Customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.3 Obligations of the Customer (cont'd.)7.3.3 Supervisory Signaling

The Customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

7.3.4 Short Duration Mass Calling Requirements

When a Customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the Customer must notify the Company at least forty-eight (48) hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the Company may invoke network management controls, (e.g., call gaping and code blocking) to reduce the probability of excessive network congestion. The Company will work cooperatively with the Customer to determine the appropriate level of such control.

7.3.5 Design of Switched Access Services

When a Customer orders Switched Access Service on a per line or per trunk basis, it is the Customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups

Switched Access Service is provided in various arrangements including two different Feature Group arrangements. The provision of each Feature Group requires Switched Transport services and the appropriate Local Switching Functions. In addition, Switched Transport and Local Switching optional features are available as options with the various Feature Groups.

Following are detailed descriptions of each of the available Feature Groups. Each Feature Group is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided, the optional features available for use with it and the standard testing capabilities.

7.4.1 Feature Group B (FGB)(A) Description

- (1) FGB Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated uniform 950-XXXX access code. FGB trunk side access is provided for the Customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a Customer provided interstate communications capability. The Customer must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communications is transported to another state.
- (2) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic and electromechanical end office switches.
- (3) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)

- (4) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.5, any other address signaling in the originating direction, if required by the Customer, must be provided by the Customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (5) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX. A uniform access code(s) will be assigned to the Customer for the Customer's domestic communications and another will be assigned to the Customer for its international communications, if required. These access codes will be the assigned access numbers of all FGB switched access service provided to the Customer by the Company.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)

- (6) The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGB switching is ordered. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Company.
- (7) FGB switching, when used in the terminating direction, may be used to access valid NXX's in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other Customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)(7) (cont'd.)

The Customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Company exchange service tariffs, e.g., 976 Network Service. Additionally, non-access charges will also be billed for calls from a FGB trunk to another Customer's service in accordance with that Customer's applicable service rates when the Company performs the billing function for that Customer.

Calls in the terminating direction will not be completed to the 950-XXXX access code, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 10XXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGB switching is combined with Directory Assistance (DA) switching. The combination of FGB Switched Access Service with DA service is provided as set forth in Section 9 following. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B and D.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)

- (8) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

(B) Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group B. They are set forth in (1), (2) and (3) following and are provided as Common Switching, Transport Termination and Local Transport options. Additionally, other optional features provided in local tariffs are set forth in 7.1.4(B)(4) following.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.1 Feature Group B (FGB) (cont'd.)(B) Optional Features (cont'd.)(1) Common Switching Options

- (a) Automatic Number Identification
- (b) Up to 7 Digit Outpulsing of access Digits to Customers

(2) Transport Terminations Options

- (a) Rotary Dial Station Signaling

(3) Local Transport Options

- (a) Customer Specification of Local Transport Termination
- (b) Supervisory Signaling
- (c) Customer Specified Entry Switch Receive Level

(4) Optional Features Provided In Local Tariffs

Certain other features which may be available in connection with Feature Group B are provided under the Company's local and/or general exchange service tariffs. These are:

- Bill Number Screening

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.2 Feature Group D (FGD)(A) Description

- (1) FGD Access, which is available to all Customers, provides trunk side access to Company end office switches.
- (2) FGD is provided at Company designated end office switches whether routed directly or via Company designated electronic access tandem switches.
- (3) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling.
- (4) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the Customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the Customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.2 Feature Group D (FGD) (cont'd.)(A) Description (cont'd.)

- (5) FGD switching, when used in the terminating direction, may be used to access valid NXX's in the LATA, time or weather announcement services of the Company, community information services of an information service provider, and other Customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The Customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs, e.g., 976 Network Service.

Additionally, non-access charges will also be billed for calls from a FGD trunk to another Customer's service in accordance with that Customer's applicable service rates when the Company performs the billing function for that Customer. Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 10XXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in Section 9 following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Group B.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.2 Feature Group D (FGD) (cont'd.)(A) Description (cont'd.)

- (6) The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Company.
- (7) The access code for FGD switching is a uniform access code of the form 10XXX or 101XXXX. A uniform access code(s) will be the assigned number of all FGD access provided to the Customer by the Company. No access code is required for calls to a Customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that Customer, as set forth in 8.4 following.

Where no access code is required, the number dialed by the Customer's end user shall be a seven (7) or ten (10) digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven (7) to twelve (12) digit number may be dialed. The form of the numbers dialed by the Customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 10XXX or 101XXXX access code is used, FGD switching also provides for dialing the digit 0 for access to the Customer's operator, 911 for access to the Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the Customer designated premises.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.2 Feature Group D (FGD) (cont'd.)(A) Description (cont'd.)

- (8) FGD switching will be arranged to accept calls or 101XXXX from exchange service locations without the need for dialing the 10XXX or 101XXXX uniform access code. Each exchange service line may be marked with a code to identify to which 10XXX or 101XXXX code its calls will be directed for interLATA service.
- (9) When a Customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the Customer and the Company, the Company will direct calls dialed by the Customer's end users using the Customer's previous FGB access code to the Customer's FGD access service. The Customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the FGB access code which requires the Customer to receive additional address signaling from the end user. Such calls will be rated as FGD. The Company may, with ninety (90) days written notice to the Customer, discontinue this arrangement.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.2 Feature Group D (FGD) (cont'd.)(B) Optional Features

Following are the various optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group D. Optional Features are provided as Common Switching, Transport Termination and Local Transport options as set forth in (1) through (3) following.

(1) Common Switching Options

- (a) Automatic Number Identification - ANI
- (b) Flexible Automatic Number Identification

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Options

- (a) Supervisory Signaling
- (b) 64 Clear Channel Capability
- (c) Toll Free 800 Series Data Base Access

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service(A) Description

- (1) The DID Switched Access Service is a Private Branch Exchange (PBX) Trunk that uses Central Office trunks in connection with providing direct inward dialing service from the telecommunications network to the customer's premises for use in connection with dial switching or number identifying equipment. DID Switched Access Service is available only in the terminating direction to the PBX.
- (2) DID Switched Access Service is provided as a trunkside switching service. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling. Three (3) or four (4) digit outpulsing of called party telephone numbers to the customer can be provided.
- (3) DID Switched Access Service must be ordered with blocks of telephone numbers. DID station number assignments are provisioned in blocks of one-hundred (100). Vacant DID stations or stations not in use must be intercepted by the customer. A DID station number cannot be removed from a group to provide non-DID service.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service (cont'd.)(A) Description (cont'd.)

- (4) DID Switched Access Service is provided with Dual Tone Multifrequency (DTMF) or Dial Pulse (DP) address signaling when provided at suitably equipped electronic end offices. No other address signaling is provided by the Company. Additional address signaling, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Switched Transport.
- (5) The Company will establish a trunk group or groups for the customer at end office switches where DID Switched Access Service is provided. DID Switched Access Service requires a minimum of one (1) circuit termination per trunk group requested. A separate identity is required for each separate trunk group.
- (6) DID Switched Access Service required a minimum of two DID PBX trunks per block of (one-hundred) 100 telephone numbers requested.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service (cont'd.)

(B) Transmission Specifications

DID Switched Access Service is provided a transmission quality parameter of no more than 5.5 db loss from the customers serving wire center to the PBX. DID Switched Access Service is provided only as a two-wire analog service.

(C) Testing Capabilities

Installation and acceptance testing will be provided with the service.

(D) Limitations

DID Switched Access Service central office trunk lines cannot be:

- (1) extended to an off-premise location;
- (2) coterminated with residence service.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service (cont'd.)(E) Interoffice Mileage

Interoffice mileage is applicable when the customer orders the DID Switched Access Service from a Company end office other than the customer's serving wire center. The interoffice mileage rate element will apply to the airline transport miles between the customer's serving wire center and the end office where the DID Access Service connection resides. Airline mileage is measured using the V&H Coordinates Method as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4.

(F) DID Trunk Queuing

The DID Trunk Queuing option permits customers of Direct Inward Dial Access Service to hold a specified number of calls in queue for delayed delivery when all circuits in a DID Trunk Group are busy. This option allows calls, which otherwise would have received a busy signal, to be held and rerouted to the customer's DID Trunk Group when a circuit becomes available.

Calls held in queue will receive a recorded delay call announcement and are delivered on a "first in first out" basis. The customer may order and record up to a maximum of four (4) delay announcements. Each delay announcement may vary in length from three (3) to twenty-four (24) seconds.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service (cont'd.)

(F) DID Trunk Queuing (cont'd.)

DID Number Conditioning is required feature on all DID Numbers assigned to a trunk group equipped with DID Trunk Queuing. DID Number Conditioning for use with DID Trunk Queuing must be assigned in sequential order. The customer determines the number of queue slots they require, however, the number of slots cannot exceed the number of DID Trunks provisioned in a DID Trunk Group.

DID Trunk Queuing is available only from the Company's end offices where facilities and operating conditions permit.

(G) Description and Application of Rates and Charges

Monthly recurring rates and nonrecurring charges for DID Switched Access Service can be found in Section 9.1.7.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)7.4.3 Direct Inward Dial (DID) Switched Access Service (cont'd.)(G) Description and Application of Rates and Charges (cont'd.)

The access rate components of Local Switching and Switched Transport are recovered through flat rated, non-usage sensitive rate elements of the DID PBX Trunk and the DID Circuit Termination. An Interstate Carrier Common Line (CCL) charge is not applicable to DID Switched Access Service because this service is a terminating only service and terminating CCL usage is presently charged to all interstate Feature Group services required to complete interexchange carrier traffic to a DID PBX Trunk.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Common Switching, Transport Termination and Local Transport options.

7.5.1 Common Switching Optional Features(A) Automatic Number Identification (ANI)

- (1) This option provides the automatic transmission of a seven digit or ten digit number and information digits to the Customer designated premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with:
 - (a) all individual transmission paths in a trunk group routed directly between an end office and a Customer designated premises or, where technically feasible, with
 - (b) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a Customer designated premises.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features7.5.1 Common Switching Optional Features (cont'd.)(A) Automatic Number Identification (ANI) (cont'd.)

- (2) The seven (7) digit ANI number is generally available with Feature Group B. Technical limitations may exist in Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred. Seven (7) digit ANI is not available with SS7 Signaling.
- (3) The ten (10) digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Number Plan Area (NPA) plus the seven digit ANI telephone number. The ten (10) digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). Ten (10) digit ANI is provided with multifrequency address signaling or SS7 signaling.
- (4) Where complete ANI detail cannot be provided, e.g., on calls from four (4) and eight (8) party services, information digits will be provided to the Customer. These ANI information digits are generally available with Feature Groups B and D.

(B) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to seven (7) digits of the uniform access code (950-XXXX) to the Customer designated premises.

The Customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the Customer designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. This feature is available with Feature Group B.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.2 Transport Termination Optional Features(A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the Customer designated premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

7.5.3 Local Transport Option Features(A) Customer Specified Entry Switch Receive Level

Customer Specified Entry Switch Receive Level allows the Customer to specify the receive transmission level at the first point of switching. This feature is available with Interface Groups 2, 3 and 6 for Feature Group B.

(B) Customer Specification of Local Transport Termination

Customer Specification of Local Transport Termination allows the Customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the first point of switching in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

(C) Supervisory Signaling

Supervisory Signaling allows the Customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the Customer to meet its signaling capability.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.3 Local Transport Option Features (cont'd.)(D) Toll Free 800 Series Data Base Access Service

Toll Free 800 Series Data Base Access Service is provided with FGD Switched Access. Signaling Transfer Point (STP) Access is provided by Company's STP vendor.

The STP Access service is provisioned by a mated pair of STPs to ensure network availability and reliability. The Company shall not be held liable for service outages if the Customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards.

When STP Access service is provisioned for use with SS7 Signaling, interconnection between signalling networks must occur at an STP.

When a 1+800+XXX-XXXX call is originated by an end user, the Company will utilize the Signalling System 7 (SS7) network to query an 800 data base to perform the Customer identification function. The call will then be routed to the identified Customer over FGD switched access.

The manner in which Toll Free 800 Series Data Base Access service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following:

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.3 Local Transport Option Features (cont'd.)(D) Toll Free 800 Series Data Base Access Service (cont'd.)

- When Toll Free 800 Series Data Base Access service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases, all such service will be provisioned from that end office.
- When Toll Free 800 Series Data Base Access service originates at an end office not equipped with SSP Customer identification capability, the 800 call will be delivered to the access tandem on which the end office is homed for 800 service and which is equipped with the SSP feature to query centralized data bases.

Query charges as set forth in 9.1.6 following are in addition to those charges applicable for the Feature Group D switched access service.

(E) 900 Access Service

900 Access Service is a LATA-wide offering utilizing originating trunk side Switched Access Service. The service provides for the forwarding of end user dialed 1+900-NXX-XXXX calls to a Telephone Company switch capable of performing a customer identification function. Based on the NXX, the call is forwarded to the appropriate customer.

No access code is required for 900 Access Service. When a 900 Access call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. For 900 Access Service the customer identification function will be available at suitably equipped end office or access tandem switched. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to the access tandem at which the function is available. Once customer identification has been established, the call will be routed to the customer.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.3 Local Transport Option Features (cont'd.)(E) 900 Access Service (cont'd.)

The manner in which 900 Access Service is provisioned is dependent on the status of the end office from which the service is provided, (i.e., equipped with equal access capabilities or not equipped with equal access capabilities) and/or the status of the customer (i.e., MTS/WATS provider of MTS/WATS-type provider). When 900 Access Service is provided from an end office equipped with equal access capabilities (i.e., FGD or CST BSA - Option 3), all such service will be provisioned as Feature Group D. When 900 Access Service is provided from an end office not equipped with equal access capabilities, such service will be provisioned in the same manner in which the customer's non-900 Switched Access Service from such end office is provisioned (i.e., as Feature Group B, Feature Group C, or CST BSA - Option 1 or 2).

Unless prohibited by network considerations, the customer's 900 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's other access Service traffic of the same Switched access Service Arrangement or be combined in the same trunk group arrangement with the customer's 800 Data Base Access Service traffic of the same Switched Access Service Arrangement. When required by network considerations, a separate trunk group must be established for 900 Access Service.

Calls originating from a LATA for which a customer has not ordered 900 Access Service NXX codes activated will not be completed.

The following 1+900-NXX-XXXX calls will be locked by the Telephone Company:

- calls dialed with a 10XXX or 101XXXX access code,
- calls from Inmate Service, and
- calls originating from Hotel/Motel Service with no on-premises billing system.

(F) 64 Clear Channel Capability

The 64 Clear Channel Capability (64 CCC) option employs the Bipolar 8 Zero Suppression (B8ZS) technique to permit Customers to use the full 64 Kbps bandwidth of a DS0 channel. 64 CCC is available with Interface Group 6 for Feature Group D with Signaling System 7 signaling.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.3 Local Transport Option Features (cont'd.)(G) Multiplexing

Multiplexing provides the capability of converting the capacity or bandwidth of a facility from a higher level to a lower level or from a lower level to a higher level. Multiplexing arrangements are available for Entrance Facilities and Direct Trunked Transport facilities. Rates for Entrance Facility are set forth in Section 9.1.4(A)6. Rates for Direct Trunked Transport are contained in the composite switched access rate set forth in 9.1.3 following.

When the customer requests Tandem Switched Transport and Direct Trunked Transport to connect to the same Entrance Facility, multiplexing may be ordered by the customer as a chargeable optional feature of the Entrance Facility.

Chargeable multiplexing arrangements may be ordered with an Entrance Facility at a SWC or a Direct Trunked Transport facility at an end office of higher capacity or bandwidth (eg., DS1 to Voice Grade multiplexing arrangement in associated with the facility using a DS1 connection).

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.3 Local Transport Option Features (cont'd.)(G) Multiplexing (cont'd.)(1) DS1 to Voice Grade

An arrangement that converts a DS1 channel to twenty-four Voice Grade channels utilizing time division multiplexing. For example, the customer has the option of ordering a DS1 to Voice Grade multiplexing for the Entrance Facility at the SWC when Voice Grade Direct-Trunked Transport is requested to an end office. A DS1 to Voice Grade multiplexing is required at the end office when the customer orders Lineside Access which is transported via a DS1 Direct-Trunked Transport facility.

(2) DS3 to DS1

An arrangement which converts a DS3 channel to twenty-eight DS1 channels utilizing time division multiplexing. The twenty-eight channels may be further multiplexed utilizing DS1 to Voice Grade multiplexer. DS3 to DS1 multiplexing is available as a chargeable optional feature for Entrance Facilities and Direct Trunked Transport facilities. DS3 to DS1 multiplexing is always required at the SWC of the customer's premises when a DS3 Entrance Facility is to connect to a lower level of capacity.

(G) Signaling System 7 (SS7) Signaling Option

This option allows the customer to receive signals for call set-up out of band. This option is available with FGD.

Charge Number (CN), Carrier Selection Parameter (CSP), Calling Party Number (CPN) and Access Transport Parameter (ATP) features are provided with the SS7 Signaling option. In addition, Carrier Identification Parameter (CIP) is also available as a chargeable optional feature. A description of these features is set forth in Section 7.5.4.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.4 SS7 Signaling Option(A) Calling Party Number (CPN)

This feature provides for the automatic transmission of the calling party's ten digit telephone number to the customer's premises for calls originating in the LATA or from the Customer's premises for calls terminating in the LATA. The ten digit telephone number, which may or may not be the same number as the calling station's charge number. This feature is provided with the SS7 Signaling Option which is a non-chargeable option of Feature Group D.

(B) Charge Number (CN)

This feature provides for the automatic transmission of the ten digit billing number of the calling station number and originating line information. This feature is provided with the SS7 Signaling Option which is a nonchargeable option of Feature Group D.

The information digits shall only be used for billing and collection, routing, screening, and completion of the originating subscriber's call or transaction or for services directly related to the originating subscriber's call or transaction.

The information provided shall not be reused or resold without first notifying the originating telephone subscriber and obtaining affirmative consent of the subscriber for reuse or resale.

Unless the originating subscriber has given consent for the reuse or resale, any information provided shall not be used for any purpose other than:

- performing the services or transactions that are the subject of the originating subscriber's call;
- ensuring network performance security, and the effectiveness of call delivery;
-
- compiling, using and disclosing aggregate information; and,
- complying with applicable laws.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.5 Optional Features (cont'd.)7.5.4 SS7 Signaling Option (cont'd.)(B) Charge Number (CN) (cont'd.)

The above restrictions shall not prevent the subscriber to the CN feature from using information acquired from a CN feature, such as the telephone number and billing information or information derived from analysis of the characteristics of calls received through the CN feature, to offer a product or service that is directly related to the products or services previously purchased by a customer of the CN feature subscriber.

(C) Carrier Selection Parameter (CSP)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether the call being processed originated from a presubscribed end user of that customer. This feature is provided with the SS7 Signaling Option which is a nonchargeable option of Feature Group D.

(D) Access Transport Parameter (ATP)

This feature provides for the automatic transmission of Called Party Subaddress, Calling Party Subaddress, High Layer Compatibility and Low Layer Compatibility, with calls originating or terminating to an Integrated Services Digital Network (ISDN). ATP is available with Feature Group D only when ordered with the 64 kbps Clear Channel Capability optional feature. This feature is provided with the SS7 Signaling Option which is a nonchargeable option.

(E) Carrier Identification Parameter (CIP)

This feature provides for the transmission of Carrier Identification Code (CIC) information to customers on originating Feature Group D Switched Access Service. CIP is available from suitably equipped end offices and access tandems, when the SS7 Signaling Option is specified. When CIP is provided, the switch will transmit, to the customer premises, the 3 or 4 digit CIC of the presubscribed line, or the CIC selected when the end user places a call using 10XXX or 101XXXX dialing. CIP is available on an originating basis as a chargeable optional feature with originating or two-way FGD trunk groups.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

7.6.1 Description and Application of Rates and Charges

There are three (3) types of rates and charges that apply to Switched Access Service. These are recurring rates, usage rates and nonrecurring charges. These rates and charges are applied directly to various rate elements as set forth following.

(A) Recurring Rates

Recurring rates are flat rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have thirty (30) days.

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per occurrence (e.g., access minute, message call or query) basis. Usage rates are accumulated over a monthly period.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.1 Description and Application of Rates and Charges (cont'd.)(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation of new services or rearrangements of installed services).

(1) Installation of Service

- (a) A nonrecurring charge applies for each initial installation of an Entrance Facility. For each Entrance Facility of the same type, ordered at the same time, for the same date and from the same Customer premises to the same serving wire center, the applicable Entrance Facility nonrecurring charge will apply on a first and additional basis.
- (b) A nonrecurring Installation Charge, as set forth in 9.1.1(B) following, applies to each Common Transport Switch Facility and Direct Trunked Facility installed. For Switched Services ordered on a busy hour minutes of capacity basis, the charge is applied only when the capacity ordered requires the installation of an additional trunk(s).

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.1 Description and Application of Rates and Charges (cont'd.)(D) Application of Rates(1) Entrance Facility Rates

One (1) flat monthly Entrance Facility charge applies per Customer designated premises at which an Entrance Facility channel is terminated. This charge will apply even if the Customer designated premises and the serving wire center are located in the same building.

(2) Interconnection Charge

The Interconnection Charge component applies to all Customers of interstate Switched Access Service. The Interconnection Charge is set forth in 9.1.3 following.

(3) Customer Identification Charge

The Toll Free 800 Series Data Base Access Service Customer Identification Charge applies for the identification of the appropriate Customer for Toll Free 800 Series Data Base Access Service. The charge is assessed to the Customer on a per query basis.

(4) 800 to POTS Number Translation Charge

The 800 to POTS Number Translation charge applies for the translation of a specific Toll Free 800 Series number (i.e., 800-NXX-XXXX) to a ten digit POTS number (i.e., NPA-NXX-XXXX) on a per query basis. This rate will apply in addition to the Toll Free 800 Series Data Base Access Service Customer Identification Charge specified in 7.6.1(D)(3) preceding.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.2 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Company to determine the basis for computing chargeable access minutes. In the event the Customer message detail is not available because the Company lost or damaged tapes or experienced recording system outages, the Company will estimate the volume of lost Customer access minutes of use based on previously known values.

For terminating calls over FGB and FGD Access Service, the measured minutes are chargeable access minutes. Where assumed minutes are used, the assumed minutes are the chargeable access minutes.

FGB and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.2 Measuring Access Minutes (cont'd.)(A) Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB first point of switching receives answer supervision forwarded from the Customer's point of termination, indicating the Customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB first point of switching receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

For terminating calls over FGB, usage measurement begins when the terminating FGB first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB first point of switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.2 Measuring Access Minutes (cont'd.)(B) Feature Group D Usage MeasurementOriginating Usage

For originating calls over FGD, provided with Multi-Frequency Signaling, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the Customer's point of termination.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the Customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Company's vendor-provided Signal Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) signaling when the FGD end office is routed through a tandem for connection to the Customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.2 Measuring Access Minutes (cont'd.)(B) Feature Group D Usage Measurement (cont'd.)Originating Usage (cont'd.)

The measurement of originating call usage over FGD provided with Multi-Frequency Signaling ends when the originating FGD first point of switching receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.2 Measuring Access Minutes (cont'd.)(B) Feature Group D Usage Measurement (cont'd.)Terminating Usage

For terminating calls over FGD provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is derived from originating usage.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Company switch receives answer supervision and sends the indication to the Customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

ACCESS SERVICES

Section 7 -- SWITCHED ACCESS SERVICE (cont'd.)7.6 Rate Regulations (cont'd.)7.6.3 Network Blocking Charge

The Customer will be notified by the Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in below are exceeded. If the order for additional capacity has not been received by the Company within fifteen (15) days of the notification, the Company will bill the Customer, at the rate set forth in 9.1.4 following.

| <u>Trunks in Service</u> | <u>Blocking Thresholds</u> | |
|--------------------------|---------------------------------|-------------|
| | <u>1%</u> | <u>1/2%</u> |
| 1-2 | 7.0% | 4.5% |
| 3-4 | 5.0% | 3.5% |
| 5-6 | 4.0% | 2.5% |
| 7 or greater | 3.0% | 2.0% |

The one percent (1%) blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a Customer's premises. The one-half percent (1/2%) blocking threshold is for transmission paths carrying first routed traffic between an end office and a Customer's premises via an access tandem.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES8.1 General

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

8.2 Additional Engineering

Additional Engineering will be provided by the Company at the request of the Customer only when:

- A Customer requests additional technical information after the Company has already proved the technical information included on the Design Layout Report as set forth in 7.1.3 preceding.

The Company will notify the Customer that additional engineering charges, as set forth in 9.2.2 following, will apply before any additional engineering is undertaken.

8.3 Additional Labor

Additional labor is that labor requested by the Customer on a given service and agreed to by the Company as set for in 8.3.1 through 8.3.5 following. The Company will notify the Customer that additional labor charges as set forth in 8.2.2 following will apply before any additional labor is undertaken.

8.3.1 Overtime Installation

Overtime installation is that Company installation effort outside of normally scheduled working hours.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd.)8.3 Additional Labor (cont'd.)8.3.2 Overtime Repair

Overtime repair is that Company maintenance effort performed outside of normally scheduled working hours.

8.3.3 Stand by

Stand by includes all time in excess of on-half (1/2) hour during which Company personnel stand by to make cooperative tests with a Customer to verify facility repair on a given service.

8.3.4 Testing and Maintenance with Other Companies

Additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain or repair facilities provided solely by the Company.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd.)8.4 Presubscription

8.4.1 Presubscription is an arrangement whereby an end user may select and designate to the Company an interexchange carrier (IC) to access, without an access code, for interLATA, interstate calls. This IC is referred to as the end user's Primary Interexchange Carrier (PIC). The end user may select the Company as its PIC, or may select any other IC that orders originating Feature Group D Switched Access Service at the end office that serves the end user. After the end user's initial selection of a predesignated IC, for any additional change in selection, a non-recurring charge, as set forth in Section 9.2.1(A), applies.

8.4.2 New end users who are served by end offices equipped with Feature Group D, will be asked to presubscribe to an IC at the time they place an order with the Company for Exchange Access Service. They may select either of the following options. There will be no additional charge for this initial selection

- Designate an IC as a PIC and dial 10XXX or 101XXXX to reach other ICs.
- Designate that they do not want to be presubscribed to any IC and choose to dial 10XXX or 101XXXX for all calls to all ICs.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd.)8.4 Presubscription (cont'd.)

8.5

8.4.1 (cont'd.)

Subsequent to the installation of Exchange Access Service, and after the end user's initial selection of a PIC, for any additional change in selection, a nonrecurring charge as set forth in Section 9.2.1(A), applies. This charge is billed to the end user which is the subscriber to the Exchange Access Service and applies only for selection of an IC which provides only interLATA, interstate calling.

8.5 Unauthorized PIC Change

If an IC requests a Primary Interexchange Carrier (PIC) change on behalf of a billed party (e.g., an end user), and the billed party subsequently denies requesting the change, and the IC is unable to substantiate the change with a letter of authorization signed by the billed party; then:

- The billed party will be reassigned to their previously selected IC. No charge will apply to the billed party for this reassignment.
- The Unauthorized Presubscription Change Charge as set forth in 8.2.1(B) will apply to the IC that requested the unauthorized PIC change. This charge is applied in addition to the PIC switchback charge set forth in 9.2.1(B)3 following.

8.6 Service Provider Number Portability

8.6.1 Service Provider Number Portability (SPNP) General Description. SPNP allows, where facilities permit: (1) a local exchange telephone service customer to maintain the same Directory Number (DN) when changing from one telecommunications service provider to another while remaining at the same location; and (2) callers to complete calls to numbers that have been ported.

8.6.2 SPNP Surcharge. The SPNP Surcharge recovers Telephone Company costs directly related to providing long term number portability. It is billed on a monthly basis to all Telephone Company end users, line side access customers, unbundled switch port customers, and resale customers, except for those customers who participate in the Lifeline Assistance Program. This surcharge will be recovered over 60 months commencing April 22, 1999, and ending April 22, 2004.

The SPNP Surcharge applies per line with the following exceptions:

- PBX trunks will be assessed 9 monthly rates; and
- ISDN PRI will be assessed 5 monthly rates.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd)8.6 Service Provider Number Portability (cont'd)

- 8.6.3 SPNP Query - SPNP is an advanced intelligent network capability which utilized the common channel signaling network to query a database to secure network routing instructions before completion of a call. This database contains the Location Routing Number (LRN) that identifies the switch of the Local Service Provider (LSP) that serves a customer with a ported DN. The LRN is used to direct the call to the correct network switching element for completion to the end user customer. Where more than one network is involved in completing the call, the network prior to the termination (i.e., the N-1 Network) is normally responsible for querying a SPNP database to secure the LRN which is then used in routing the call.

Where the N-1 carrier does not perform a database query, and forwards a call to a switch in the Telephone Company's network for a NXX designated as a number portable code in the Local Exchange Routing Guide and National Exchange Carrier Association Inc. F.C.C. No. 4, the Telephone Company will perform a query for the N-1 Carrier and bill the N-1 carrier a SPNP Query charge, as shown in Section 9.2.2 following.

When the Telephone Company is the first point of switching for terminating traffic to another local exchange carrier (e.g., a Telephone Company tandem switch), the Telephone Company will perform the query on behalf of the N-1 carrier a SPNP Query charge, as shown in Section 9.2.2 following.

When the Telephone Company performs a query on behalf of the N-1 carrier, the Telephone Company's end office or access tandem switch will suspend call processing, formulate and launch a query via the common channel signaling network to a SPNP database to obtain information necessary to route calls to numbers in portable NXX codes. When the necessary routing information has been returned from the SPNP database to the switch originating the query, call processing is resumed and the call is routed to the correct network switching element for completing to the called party.

When a Telephone Company tandem switch performs the query on behalf of the N-1 carrier, an SPNP Query-Tandem charge is applied whenever the call is to an NXX from which a DN has been ported.

When a Telephone Company end office switch performs the query on behalf of the N-1 carrier, and SPNP Query-End Office charge will apply when the called DN has ported out of the Telephone Company switch.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd)8.6 Service Provider Number Portability (cont'd)8.6.3 SPNP Query - (cont'd)Rate Regulations

Rate Elements - The following provides a list of the various SPNP rate elements.

- SPNP Query
 - . Tandem
 - . End Office
- SPNP Surcharge

The SPNP Query rate element provides for identification of the LRN information associated with the directory number including transport of the query to and from the database. This charge is assessed at either a Tandem or End Office rate depending on where the query was launched.

- (1) SPNP Query - Tandem Query Charges are assessed to each non-queried call delivered at the Telephone Company Tandem to numbers in NXXs from which a DN has ported. This charge is also assessed when the N-1 carrier delivers calls to other LECs through a Telephone Company Tandem.
- (2) SPNP Query - End Office Query Charges are assessed to each non-queried call to a Directory Number that has been ported out of a Telephone Company end office switch, and the end office switch performs the query.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd)8.7 Billing and Collection Services8.7.1 Billing Name and Address Service

Billing Name and Address (BNA) Service is the provision of the complete billing name, street address, city or town, state and zip code for a telephone number assigned by the Company.

BNA Service is provided for the sole purpose of permitting the customer to bill its telephone communications service to its end users and may not be resold or used for any other purpose, including marketing activity such as market surveys or direct marketing by mail or by telephone.

The customer may not use BNA information to bill for merchandise, gift certificates, catalogs or other services or products.

BNA Service is provided on a manual basis only. Information will be provided by voice telecommunications, fax or mail, as appropriate.

BNA information is furnished for 10XXX or 10XXXX dialing, collect, bill to third party, 700 and 900 messages and messages charged to a calling card that is resident in the Company's data base.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd)8.7 Billing Name and Address Service (cont'd)8.7.1 Billing Name and Address Service (cont'd)Undertaking of The Company

- A) A request for information on telephone numbers should be mailed or faxed to the Company. The Company will respond within ten (10) business days if receipt of a customer's request for end user BNA information, unless other arrangements are mutually agreed to between the Company and the Customer.
- B) The Company will provide the most current BNA information resident in its data base. Due to normal end user account activity, there may be instances where the BNA information provided is not the BNA that was applicable at the time the message was originated.
- C) The Company shall use reasonable efforts to provide accurate and complete BNA information. The Company makes no warranties, expressed or implied, as to the accuracy of completeness of this BNA information.
- D) If the billing name and address information for a specific calling number is confidential due to legal, national security, end user or regulatory imposed requirements, the Company will provide an indicator on the confidential records.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (Cont')8.7 Billing and Collection Services8.7.1 Billing Name and Address Service (cont'd)Obligations of the Customer

- A) With each order for BNA Service, the customer shall identify the authorized individual and address to receive the BNA information.
- B) The Customer must handle all billing name and address information designated as confidential by the Company in accordance with the Company's procedures concerning confidential information. The Company will provide to the Customer a statement of its procedures concerning confidential information upon request.
- C) The customer shall institute adequate internal procedures to insure that BNA information, including that related to "confidential" non-published and non-listed telephone numbers, is used only for the purpose set forth in this tariff and that BNA information is available only to those customer personnel or agents with a need to know the information.
- D) The customer shall not publicize or represent to others that the Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files, and data bases or other systems it assembles through the use of BNA service.
- E) When the customer orders BNA Service for both interstate and intrastate messages, the Jurisdictional Reporting Requirements listed in Section 3.3.3 will be applicable.

ACCESS SERVICES

Section 8 -- ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND
MISCELLANEOUS SERVICES (cont'd)8.7 Billing and Collection Services8.7.1 Billing Name and Address Service (cont'd)Rate Regulations

- A) This Section contains the specific regulations governing the rates and charges that apply for BNA Service. Specific rates and charges are set forth in Section 9.2.3.
- B) Service Establishment Charges apply for the initial establishment of BNA Service on a manual basis.
- C) A charge applies for each request for BNA information for a telephone number on a manual basis. The Company will keep a count of the requests processed, and will bill the Customer in accordance with these counts whether or not the Company was able to provide BNA information for all requests.
- D) When a Customer cancels an order for BNA Service after the order date, the Service Establishment Charge applies.

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges9.1.1 Service Implementation

| | | |
|---|----|--------------------------------|
| A) Local Transport - Installation Charges Per Entrance Facility | | Non-Recurring <u>Charge</u> |
| - Voice Grade Two Wire | \$ | 236.85 |
| - Voice Grade Four Wire | | 375.68 |
| - High Capacity DS1 | | 618.09 |
| - High Capacity DS3 | | 805.00 |
| B) Trunk Activation | | 265.00 |
| C) Local Transport - Installation Per Line or Trunk | | 220.00 |
| D) Access Order Charge | | 76.00 |

9.1.2 Change Charges

| | |
|-------------------------|--|
| A) Service Date Change | Non-Recurring <u>Charge</u> \$ 21.47 |
| B) Design Change Charge | 113.98 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access ServiceA) Carrier Common Line Access

| | Originating <u>Per Access Minute</u> | Terminating <u>Per Access Minute</u> |
|--|---|---|
| Illinois | \$0.00 | \$0.00 |
| Massachusetts | \$0.00 | \$0.00 |
| New York | | |
| -Metro LATA | \$0.00 | \$0.00 |
| -All other LATAs | \$0.00 | \$0.00 |
| Pennsylvania | | |
| -All LATAs | \$0.00 | \$0.00 |
| <u>Presubscribed Line (PSL) Charge</u> | | |
| -per PSL | | <u>Monthly Recurring</u> |
| New York | | |
| -Metro LATA | | \$0.000000 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)B) Federal Subscriber Line Charge

| | <u>Monthly Recurring</u> |
|---|--------------------------|
| Illinois | |
| Residential, | |
| -Individual line or trunk (Primary) | \$ 4.99 |
| -Individual line or trunk (Non Primary) | \$ 4.99 |
| C1 – Small Office | \$4.99 |
| Business, Single line | |
| -Individual line or trunk | \$4.99 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 4.99 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 4.99 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$22.65 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)B) Federal Subscriber Line ChargeMonthly RecurringMaryland

| | |
|---|---------|
| Residential, | |
| -Individual line or trunk (Primary) | \$ 5.91 |
| -Individual line or trunk (Non Primary) | \$ 6.50 |
| C1 – Small Office | \$5.67 |
| Business, Single line | |
| -Individual line or trunk | \$5.67 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 5.67 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 5.67 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$28.35 |

Massachusetts

| | |
|---|---------|
| Residential, | |
| -Individual line or trunk (Primary) | \$ 6.50 |
| -Individual line or trunk (Non Primary) | \$ 6.50 |
| C1 – Small Business | \$8.08 |
| Business, Single line | |
| -Individual line or trunk | \$ 6.38 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 6.38 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 6.38 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$31.90 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)

9.1.3 Common Line Access Service (cont'd.)

| B) <u>Federal Subscriber Line Charge (cont'd.)</u> | <u>Monthly Recurring</u> |
|---|--------------------------|
| <u>New Jersey</u> | |
| Residential, | |
| -Individual line or trunk (Primary) | \$ 6.30 |
| -Individual line or trunk (Non Primary) | \$ 6.30 |
| C1 – Small Business | \$ 6.30 |
| Business, Single line | |
| -Individual line or trunk | \$ 6.27 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 6.27 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 6.27 |
| Business, PRI, ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$31.35 |
| <u>New York</u> | |
| Residential, | |
| -Individual line or trunk (Primary) | \$ 6.86 |
| -Individual line or trunk (Non Primary) | \$ 6.50 |
| C1 – Small Business | \$ 8.08 |
| Business, Single line | |
| -Individual line or trunk | \$ 6.39 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 6.39 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 6.39 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$ 31.95 |
| <u>Pennsylvania</u> | |
| Residential, | |
| -Individual line or trunk (Primary) | \$ 6.16 |
| -Individual line or trunk (Non Primary) | \$ 6.50 |
| C1 – Small Business | \$ 6.09 |
| Business, Single line | |
| -Individual line or trunk | \$ 5.91 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 5.91 |
| Business, | |
| -BRI ISDN | \$ 5.91 |
| -PRI ISDN | \$ 29.55 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)B) Federal Subscriber Line Charge (cont'd.)

| <u>Virginia</u> | <u>Monthly Recurring</u> |
|---|--------------------------|
| Residential, | |
| -Individual line or trunk (Primary) | \$ 6.36 |
| -Individual line or trunk (Non Primary) | \$ 6.53 |
| C1 – Small Business | \$ 6.53 |
| Business, Single line | |
| -Individual line or trunk | \$ 6.29 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 6.29 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 6.29 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$31.45 |
| <u>Washington, D.C.</u> | |
| Residential, | |
| -Individual line or trunk (Primary) | \$ 4.09 |
| -Individual line or trunk (Non Primary) | \$ 4.09 |
| C1 – Small Business | \$ 4.09 |
| Business, Single line | |
| -Individual line or trunk | \$ 4.09 |
| Business, Multiline | |
| -Individual line or trunk, each | \$ 4.09 |
| Business, BRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Basic Service, each service | \$ 4.09 |
| Business, PRI ISDN Subscriber | |
| -Digital Transport Facility provided as ISDN Primary Service, each service | \$19.20 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC)Monthly RecurringMaryland

Residential

- Primary Individual line or trunk, each \$0.00
- Non-Primary Individual line or trunk, each \$0.00

Business, Single line

- Individual line or trunk, each \$0.00

Business, Multiline

- Individual line or trunk, each \$0.00

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>Massachusetts</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |
| Business, Centrex (Non-ISDN) | |
| - Individual line, each | |
| 1 Line | \$0.00 |
| 2 Lines | \$0.00 |
| 3 Lines | \$0.00 |
| 4 Lines | \$0.00 |
| 5 Lines | \$0.00 |
| 6 Lines | \$0.00 |
| 7 Lines | \$0.00 |
| 8 Lines | \$0.00 |
| 9 Lines and over | \$0.00 |
| Business, PRI-ISDN Subscriber | |
| - Per Facility | \$0.00 |
| Business, BRI-ISDN Subscriber | |
| - Per Facility | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>New Jersey</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>New York</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |
| Business, Centrex (Non-ISDN) | |
| - Individual line, each | |
| 1 Line | \$0.00 |
| 2 Lines | \$0.00 |
| 3 Lines | \$0.00 |
| 4 Lines | \$0.00 |
| 5 Lines | \$0.00 |
| 6 Lines | \$0.00 |
| 7 Lines | \$0.00 |
| 8 Lines | \$0.00 |
| 9 Lines and over | \$0.00 |
| Business, PRI-ISDN Subscriber | |
| - Per Facility | \$0.00 |
| Business, BRI-ISDN Subscriber | |
| - Per Facility | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>Pennsylvania</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |
| Business, Centrex (Non-ISDN) | |
| - Individual line, each | |
| 1 Line | \$0.00 |
| 2 Lines | \$0.00 |
| 3 Lines | \$0.00 |
| 4 Lines | \$0.00 |
| 5 Lines | \$0.00 |
| 6 Lines | \$0.00 |
| 7 Lines | \$0.00 |
| 8 Lines | \$0.00 |
| 9 Lines and over | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>Virginia</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)C) Primary Interexchange Carrier Charges (PICC) (cont'd.)

| <u>Washington, D.C.</u> | <u>Monthly Recurring</u> |
|--|--------------------------|
| Residential | |
| - Primary Individual line or trunk, each | \$0.00 |
| - Non-Primary Individual line or trunk, each | \$0.00 |
| Business, Single line | |
| - Individual line or trunk, each | \$0.00 |
| Business, Multiline | |
| - Individual line or trunk, each | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)D) End User Port ChargesMonthly RecurringMaryland

| | |
|---|---------|
| Digital Transport Facility provided as ISDN Basic Service (BRI), each service | \$01.52 |
|---|---------|

| | |
|---|---------|
| Digital Transport Facility provided as ISDN Primary Service (PRI), each service | \$23.43 |
|---|---------|

| | |
|---|---------|
| Direct Inward Dialing (DID) each line or trunk | \$ 0.70 |
|---|---------|

Massachusetts

| | |
|--|---------|
| Digital PBX Service, per DS0 equivalent trunk | \$ 1.21 |
|--|---------|

| | |
|---|---------|
| Direct Inward Dialing (DID) each line or trunk | \$ 1.21 |
|---|---------|

| | |
|--|---------|
| Digital Transport Facility provided as ISDN Basic Service, each service | \$ 1.90 |
|--|---------|

| | |
|--|---------|
| Digital Transport Facility provided as ISDN Primary Service, each service | \$46.01 |
|--|---------|

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)D) End User Port Charges (cont'd.)

| | <u>Monthly Recurring</u> |
|---|--------------------------|
| <u>New Jersey</u> | |
| Digital Transport Facility provided as ISDN Basic Service (BRI), each service | \$ 1.52 |
| Digital Transport Facility provided as ISDN Basic Service (PRI), each service | \$23.43 |
| Direct Inward Dialing (DID), each line or trunk | \$ 0.70 |
| <u>New York</u> | |
| Digital PBX Service, per DS0 equivalent trunk | \$ 1.21 |
| Direct Inward Dialing (DID) each line or trunk | \$ 1.21 |
| Digital Transport Facility provided as ISDN Basic Service, each service | \$ 1.90 |
| Digital Transport Facility provided as ISDN Primary Service, each service | \$46.01 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.3 Common Line Access Service (cont'd.)D) End User Port Charges (cont'd.)Monthly RecurringPennsylvaniaDigital Transport Facility
provided as ISDN Basic
Service (BRI), each service

\$01.52

Digital Transport Facility
provided as ISDN Primary
Service (PRI), each service

\$23.43

Direct Inward Dialing (DID),
each line or trunk

\$0.70

VirginiaDigital Transport Facility
provided as ISDN Basic
Service (BRI), each service

\$ 1.52

Digital Transport Facility
provided as ISDN Primary
Service (PRI), each service

\$23.43

Direct Inward Dialing (DID),
each line or trunk

\$0.70

Washington, D.C.Digital Transport
provided as ISDN Basic
Service (BRI), each service
Digital Transport Facility
provided as ISDN Primary
Service (PRI), each service

\$01.52

\$23.43

Direct Inward Dialing (DID),
each line or trunk

\$0.70

IllinoisDigital Transport
provided as ISDN Basic
Service (BRI), each service
Digital Transport Facility
provided as ISDN Primary
Service (PRI), each service

\$01.58

\$28.18

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access ServiceA) Local Transport1) Entrance Facility - Standard Channel Terminationa) Voice Grade Two Wire

| | <u>Monthly Recurring Rate</u> | <u>Non-Recurring First</u> | <u>Add'l</u> |
|----------------------|-----------------------------------|--------------------------------|--------------|
| Massachusetts | 28.70 | \$286.80 | \$195.50 |
| New York | 28.70 | \$286.80 | 195.50 |
| Pennsylvania | | | |
| Zone 1 | \$28.70 | \$ 1.00 | 1.00 |
| Zone 2 | 28.70 | \$ 1.00 | \$ 1.00 |
| Zone 3 | 28.70 | \$ 1.00 | \$ 1.00 |
| DC/Maryland/Virginia | | | |
| | \$28.70 | \$ 1.00 | 1.00 |

ACCESS SERVICES

Section 9 -- RATES9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)b) Voice Grade Four Wire

| | <u>Monthly Recurring Rate</u> | <u>Non-Recurring First</u> | <u>Add'l</u> |
|----------------------|-----------------------------------|--------------------------------|--------------|
| Massachusetts | 53.00 | \$408.36 | \$272.96 |
| New York | 53.00 | 408.36 | \$272.96 |
| Pennsylvania | | | |
| Zone 1 | \$53.00 | \$ 1.00 | \$ 0.75 |
| Zone 2 | 53.00 | \$ 1.00 | \$ 0.75 |
| Zone 3 | 53.00 | \$ 1.00 | \$ 0.75 |
| DC/Maryland/Virginia | | | |
| | \$53.00 | \$ 1.00 | \$ 0.75 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)c) High Capacity DS1

| | <u>Monthly Recurring Rate</u> | <u>Non-Recurring First</u> | <u>Add'l</u> |
|----------------------|-----------------------------------|--------------------------------|--------------|
| Massachusetts | | | |
| Zone 1 | \$ 190.00 | \$275.00 | \$165.00 |
| Zone 2 | 190.00 | 275.00 | 165.00 |
| Zone 3 | 190.00 | 275.00 | 165.00 |
| New York | | | |
| Zone 1 | 190.00 | 275.00 | 165.00 |
| Zone 2 | 190.00 | 275.00 | 165.00 |
| Zone 3 | 190.00 | 275.00 | 165.00 |
| Pennsylvania | | | |
| Zone 1 | 190.00 | 355.00 | 220.00 |
| Zone 2 | 190.00 | 355.00 | 220.00 |
| Zone 3 | 190.00 | 355.00 | 220.00 |
| DC/Maryland/Virginia | 190.00 | 355.00 | 220.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)

9.1 Rates & Charges (cont'd.)

9.1.4 Switched Access Service (cont'd.)

A) Local Transport (cont'd.)

1) Entrance Facility - Standard Channel Termination (cont'd.)

d) High Capacity DS3

RESERVED FOR FUTURE USE

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)d) High Capacity DS3 (cont'd.)

| 135 MBPS | # DS3 CTs Counted | Massachusetts Monthly Rate, Per DSC Per DSC | New York Monthly Rate |
|-----------------|--------------------------|--|----------------------------------|
| | 1 | \$2,310.00 | \$2,310.00 |
| | 2 | 2,100.00 | 2,100.00 |
| | 3 | 1,650.00 | 1,650.00 |
| | 4 | 1,550.00 | 1,550.00 |
| | 5 | 1,500.00 | 1,500.00 |
| | 6 | 1,450.00 | 1,450.00 |
| | 7 | 1,400.00 | 1,400.00 |
| | 8 | 1,350.00 | 1,350.00 |
| | 9 | 1,300.00 | 1,300.00 |
| | 10 | 1,250.00 | 1,250.00 |
| | 11 | 1,200.00 | 1,200.00 |
| | 12 | 1,090.00 | 1,090.00 |
| | 13 | 1,260.00 | 1,260.00 |
| | 14 | 1,240.00 | 1,240.00 |
| | 15 | 1,230.00 | 1,230.00 |
| | 16 | 1,220.00 | 1,220.00 |
| | 17 | 1,200.00 | 1,200.00 |
| | 18 | 1,190.00 | 1,190.00 |
| | 19 | 1,175.00 | 1,175.00 |
| | 20 | 1,150.00 | 1,150.00 |
| | 21 | 1,140.00 | 1,140.00 |
| | 22 | 1,120.00 | 1,120.00 |
| | 23 | 1,105.00 | 1,105.00 |
| | 24 | 1,101.00 | 1,101.00 |
| | 25 and over | 1,100.00 | 1,100.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)

d) High Capacity DS3 (cont'd.)

| 405 MBPS | # DS3 CTs Counted | New York Monthly Rate Per DSC |
|-----------------|--------------------------|--|
| | 1 | \$2,310.00 |
| | 2 | 2,100.00 |
| | 3 | 1,650.00 |
| | 4 | 1,550.00 |
| | 5 | 1,500.00 |
| | 6 | 1,450.00 |
| | 7 | 1,400.00 |
| | 8 | 1,350.00 |
| | 9 | 1,300.00 |
| | 10 | 1,250.00 |
| | 11 | 1,200.00 |
| | 12 | 1,090.00 |
| | 13 | 1,260.00 |
| | 14 | 1,240.00 |
| | 15 | 1,230.00 |
| | 16 | 1,220.00 |
| | 17 | 1,200.00 |
| | 18 | 1,190.00 |
| | 19 | 1,175.00 |
| | 20 | 1,150.00 |
| | 21 | 1,140.00 |
| | 22 | 1,120.00 |
| | 23 | 1,105.00 |
| | 24 | 1,101.00 |
| | 25 and over | 1,100.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)

d) High Capacity DS3 (cont'd.)

| 560 MBPS | # DS3 CTs Counted | Massachusetts Monthly Rate, Per DSC Per DSC | New York Monthly Rate |
|-----------------|--------------------------|--|----------------------------------|
| | 1 | \$2,310.00 | \$2,310.00 |
| | 2 | 2,100.00 | 2,100.00 |
| | 3 | 1,650.00 | 1,650.00 |
| | 4 | 1,550.00 | 1,550.00 |
| | 5 | 1,500.00 | 1,500.00 |
| | 6 | 1,450.00 | 1,450.00 |
| | 7 | 1,400.00 | 1,400.00 |
| | 8 | 1,350.00 | 1,350.00 |
| | 9 | 1,300.00 | 1,300.00 |
| | 10 | 1,250.00 | 1,250.00 |
| | 11 | 1,200.00 | 1,200.00 |
| | 12 | 1,090.00 | 1,090.00 |
| | 13 | 1,260.00 | 1,260.00 |
| | 14 | 1,240.00 | 1,240.00 |
| | 15 | 1,230.00 | 1,230.00 |
| | 16 | 1,220.00 | 1,220.00 |
| | 17 | 1,200.00 | 1,200.00 |
| | 18 | 1,190.00 | 1,190.00 |
| | 19 | 1,175.00 | 1,175.00 |
| | 20 | 1,150.00 | 1,150.00 |
| | 21 | 1,140.00 | 1,140.00 |
| | 22 | 1,120.00 | 1,120.00 |
| | 23 | 1,105.00 | 1,105.00 |
| | 24 | 1,101.00 | 1,101.00 |
| | 25 and over | 1,100.00 | 1,100.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)1) Entrance Facility - Standard Channel Termination (cont'd.)

d) High Capacity DS3 (cont'd.)

DC/Maryland/Virginia/Pennsylvania

| # DS3 CTs Counted | Zone 1 | Zone 2 | Zone 3 |
|-------------------|------------|----------|----------|
| 1 | \$2,310.00 | 2,310.00 | 2,310.00 |
| 2 | 2,100.00 | 2,100.00 | 2,100.00 |
| 3 | 1,650.00 | 1,650.00 | 1,650.00 |
| 4 | 1,550.00 | 1,550.00 | 1,550.00 |
| 5 | 1,500.00 | 1,500.00 | 1,500.00 |
| 6 | 1,450.00 | 1,450.00 | 1,450.00 |
| 7 | 1,400.00 | 1,400.00 | 1,400.00 |
| 8 | 1,350.00 | 1,350.00 | 1,350.00 |
| 9 | 1,300.00 | 1,300.00 | 1,300.00 |
| 10 | 1,250.00 | 1,250.00 | 1,250.00 |
| 11 | 1,200.00 | 1,200.00 | 1,200.00 |
| 12 | 1,090.00 | 1,090.00 | 1,090.00 |
| 13 | 1,260.00 | 1,260.00 | 1,260.00 |
| 14 | 1,240.00 | 1,240.00 | 1,240.00 |
| 15 | 1,230.00 | 1,230.00 | 1,230.00 |
| 16 | 1,220.00 | 1,220.00 | 1,220.00 |
| 17 | 1,200.00 | 1,200.00 | 1,200.00 |
| 18 | 1,190.00 | 1,190.00 | 1,190.00 |
| 19 | 1,175.00 | 1,175.00 | 1,175.00 |
| 20 | 1,150.00 | 1,150.00 | 1,150.00 |
| 21 | 1,140.00 | 1,140.00 | 1,140.00 |
| 22 | 1,120.00 | 1,120.00 | 1,120.00 |
| 23 | 1,105.00 | 1,105.00 | 1,105.00 |
| 24 | 1,101.00 | 1,101.00 | 1,101.00 |
| 25 and Over | 1,100.00 | 1,100.00 | 1,100.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)2) Direct Trunkeda) Voice Grade (2-wire and 4-wire)

| | <u>Monthly Recurring Rate</u> | |
|-----------------------------------|-----------------------------------|-----------------|
| | <u>Fixed</u> | <u>Per mile</u> |
| Massachusetts All Zones | \$ 10.00 | \$ 2.00 |
| New York All Zones | 10.00 | 2.00 |
| Pennsylvania All Zones | 10.00 | 2.00 |
| DC/Maryland/Virginia All Zones | 10.00 | 2.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)2) Direct Trunked (cont'd.)b) DS1

| | Monthly Recurring Rate | |
|----------------------|---------------------------|-----------------|
| | <u>Fixed</u> | <u>Per mile</u> |
| Massachusetts | | |
| Zone 1 | 85.00 | 23.00 |
| Zone 2 | 85.00 | 23.00 |
| Zone 3 | 85.00 | 23.00 |
| New York | | |
| Zone 1 | 85.00 | 23.00 |
| Zone 2 | 85.00 | 23.00 |
| Zone 3 | 85.00 | 23.00 |
| Pennsylvania | | |
| Zone 1 | 85.00 | 23.00 |
| Zone 2 | 85.00 | 23.00 |
| Zone 3 | 85.00 | 23.00 |
| DC/Maryland/Virginia | 85.00 | 23.00 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)2) Direct Trunked (cont'd.)c) DS3

| | <u>Monthly Recurring Rate</u> | |
|----------------------|-----------------------------------|-----------------|
| | <u>Fixed</u> | <u>Per mile</u> |
| Massachusetts | | |
| Zone 1 | \$890.00 | 171.60 |
| Zone 2 | 890.00 | 171.60 |
| Zone 3 | 890.00 | 171.60 |
| New York | | |
| Zone 1 | 890.00 | 171.60 |
| Zone 2 | 890.00 | 171.60 |
| Zone 3 | 890.00 | 171.60 |
| Pennsylvania | | |
| Zone 1 | 890.00 | 171.60 |
| Zone 2 | 890.00 | 171.60 |
| Zone 3 | 890.00 | 171.60 |
| DC/Maryland/Virginia | 890.00 | 171.60 |

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Services (cont'd.)A) Local Transport (cont'd.)3) MultiplexingDS3 to DS1*per arrangement*Monthly RecurringNon-Recurring

Massachusetts

| | | |
|--------|--------|---------|
| Zone 1 | 900.00 | \$ 1.00 |
| Zone 2 | 900.00 | 1.00 |
| Zone 3 | 900.00 | 1.00 |

New York

| | | |
|--------|--------|------|
| Zone 1 | 900.00 | 1.00 |
| Zone 2 | 900.00 | 1.00 |
| Zone 3 | 900.00 | 1.00 |

Pennsylvania

| | | |
|--------|--------|---------|
| Zone 1 | 900.00 | \$ 1.00 |
| Zone 2 | 900.00 | 1.00 |
| Zone 3 | 900.00 | 1.00 |

DC/Maryland/Virginia

| | |
|--------|------|
| 900.00 | 1.00 |
|--------|------|

ACCESS SERVICES

Section 9 -- Rates (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Services (cont'd.)A) Local Transport (cont'd.)3) Multiplexing

| <u>DS1 to Voice</u> <i>per arrangement</i> | <u>Monthly Recurring</u> |
|---|--------------------------|
| Massachusetts | |
| Zone 1 | 210.00 |
| Zone 2 | 210.00 |
| Zone 3 | 210.00 |
| New York | |
| Zone 1 | 210.00 |
| Zone 2 | 210.00 |
| Zone 3 | 210.00 |
| Pennsylvania | |
| Zone 1 | 210.00 |
| Zone 2 | 210.00 |
| Zone 3 | 210.00 |
| DC/Maryland/Virginia | 210.00 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)4) Local Transport Facility*- Per Access Minute Per Mile*Rate

| | |
|----------------------------------|----------|
| Illinois | 0.000013 |
| Massachusetts | 0.000002 |
| New York | 0.000002 |
| Pennsylvania | |
| Verizon Territory | 0.000002 |
| Commonwealth Telephone Territory | 0.000402 |
| DC/Maryland/Virginia | 0.000002 |

5) Local Transport Termination*- Per Access Minute*

| | |
|----------------------------------|----------|
| Illinois | 0.000103 |
| Massachusetts | 0.000000 |
| New York | 0.000000 |
| Pennsylvania | |
| Verizon Territory | 0.000000 |
| Commonwealth Telephone Territory | 0.002090 |
| DC/Maryland/Virginia | 0.000000 |

6) Tandem Switching*- Per Access Minute*

| | |
|----------------------------------|----------|
| Illinois | 0.001084 |
| Massachusetts | 0.001574 |
| New York | 0.001574 |
| Pennsylvania | |
| Verizon Territory | 0.001574 |
| Commonwealth Telephone Territory | 0.005272 |
| DC/Maryland/Virginia | 0.001574 |

7) Transport Multiplexing*- Per Access Minute*

| | |
|----------------------|----------|
| Illinois | 0.000015 |
| Massachusetts | 0.000000 |
| New York | 0.000000 |
| Pennsylvania | 0.000000 |
| DC/Maryland/Virginia | 0.000000 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)

8) Interconnection Charge

| | <u>Originating</u> | <u>Terminating</u> |
|----------------------|--------------------|--------------------|
| Illinois | \$0.00 | \$0.00 |
| Massachusetts | \$0.00 | \$0.00 |
| New York | \$0.00 | \$0.00 |
| Pennsylvania | \$0.00 | \$0.00 |
| DC | \$0.00 | \$0.00 |
| Maryland | \$0.00 | \$0.00 |
| Virginia | \$0.00 | \$0.00 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.4 Switched Access Service (cont'd.)A) Local Transport (cont'd.)9) Network Blocking _____ Per AttemptMA & NY

-Applies to FGD only \$0.010699

10) Common Channel Signaling Access

| | <u>Monthly Rate</u> | <u>Non-Recurring Rate</u> |
|----------------------------|-------------------------|-------------------------------|
| - STP Link Termination | \$ 71.48 | \$155.00 |
| - STP Line Channel Mileage | | |
| - Fixed | \$ 30.12 | None |
| - Per Mile | \$ 1.98 | None |
| - STP Port | \$450.00 | None |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates and Charges (cont'd.)9.1.4 Switched Access (cont'd.)A) Local Transport (cont'd.)11) Nonchargeable Optional Features

- a) Supervisory Signaling
 - SF Supervisory Signaling arrangement
-Per Transmission Path
 - E&M Type I Supervisory Signaling arrangement
-Per Transmission Path
 - E&M Type II Supervisory Signaling arrangement
-Per Transmission Path
 - E&M Type III Supervisory Signaling arrangement
-Per Transmission Path
- b) Signaling System 7
-Per signaling connection arranged
- c) 64 kbps Clear Channel Capability
-Per Transmission Path
- d) Customer specification of the receive transmission level at the first point of switching within a range acceptable to the Company - Per Transmission Path.
- e) Customer specification of Local Transport Termination
Four-wire termination in lieu of two-wire termination
- Per Transmission Path

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates and Charges (cont'd.)9.1.5 End OfficeA) Local Switching

| <u>Usage</u> | <u>Per Minute Rate</u> |
|------------------------------|------------------------|
| Per Access Minute | |
| IL | \$0.003116 |
| NY & MA | \$0.002406 |
| PA | |
| Verizon Territory | \$0.002406 |
| Commonwealth Territory | \$0.017961 |
| DC/MD/VA | \$0.002406 |
| Shared End Office Trunk Port | |
| IL | \$0.000371 |
| NY & MA | \$0.001688 |
| PA | |
| Verizon Territory | \$0.001688 |
| DC/MD/VA | \$0.001688 |
| <u>Dedicated Ports</u> | <u>Monthly</u> |
| <u>IL</u> | |
| Dedicated End Office | |
| Per LT1 Trunk Port | \$ 118.09 |
| <u>NY & MA</u> | |
| Dedicated End Office | |
| Trunk Port | \$ 11.25 |
| STP Port | \$450.00 |
| <u>PA/DC/MD/VA</u> | |
| Dedicated Trunk Port, | |
| per Trunk | \$ 11.25 |
| STP Port Termination | |
| per month, per port | \$900.00 |

Common SwitchingNonchargeable Optional Features

Automatic Number Identification
(Available with FGB and FGD)
-Per Transmission Path Group

Service Class Routing
(Available with FGD)
-Per Transmission Path Group

Alternate Traffic Routing
Multiple Customer
Premises Alternate Routing
(Available with FGB and FGD)
-Per Transmission Path or Transmission Path Group

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates and Charges (cont'd.)9.1.5 End Office (cont'd.)A) Local Switching (cont'd.)Common Switching (cont'd.)Nonchargeable Optional Features

Up to 7 Digit Outpulsing of
Access Digits to Customer
(Available with FGB)
-Per Transmission Path Group

Flexible Automatic Number

Chargeable Optional Features

Flexible Automatic Number
Identification
(Available with FGD)
-Per CIC per End Office

Non-Recurring

| | |
|--------------------|------------|
| IL | \$500 |
| MA, NY | \$1,500.00 |
| PA, MD, NJ, DC, VA | \$1,100.00 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)

9.1 Rates and Charges (cont'd.)

9.1.5 End Office (cont'd.)

A) Local Switching (cont'd.)

Transport Termination Optional Features

Trunk Side Terminations:

Standard Trunk for Originating, Terminating,
or Two-way Operation
(Available with FGB and FGD)

Rotary Dial Station
Signaling Trunk
(Available with FGB)

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates and Charges (cont'd.)9.1.5 End Office (cont'd.)A) Local Switching (cont'd.)SS7 Signaling Optional FeaturesCalling Party Number
(Available with FGD)Charge Number
(Available with FGD)Carrier Selection Parameter
(Available with FGD)Access Transport Parameter
(Available with FGD)9.1.6 800 Data Base Access Service Queries

| | Rate |
|---|------------|
| <u>IL</u> | |
| Per Query | \$0.002304 |
| <u>MD, NJ, PA, VA and D.C – Verizon Territory</u> | |
| <i>-per query</i> | |
| - Basic Query Charge | \$0.004356 |
| -Vertical Feature Package | 0.001989 |
| <u>PA – Commonwealth Territory</u> | |
| - Basic Query Charge | \$0.005300 |
| -Vertical Feature Package | 0.005900 |
| <u>MA and NY</u> | |
| <i>-per query</i> | |
| -Customer Identification Charge | 0.004356 |
| -800 to POTS Number Translation | 0.001285 |
| -Call Handling and Destination Feature | 0.001989 |

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.7 900 Access Service(A) Service Establishment ChargeLATANon-Recurring
Charge

| | |
|----------------|------------|
| Albany | \$3,806.78 |
| Binghamton | 1,393.18 |
| Buffalo | 3,960.38 |
| Massachusetts | |
| Eastern | 14,080.88 |
| Western | 1,676.10 |
| New York Metro | 18,834.22 |
| Poughkeepsie | 956.67 |
| Syracuse | 4,717.17 |

(B) 900 Access Service
*-per call*Rate

| | |
|----------|----------|
| Per Call | \$ 0.023 |
|----------|----------|

ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.1 Rates & Charges (cont'd.)9.1.8 DID Switched Access Service

| | <u>Monthly Rate</u> | <u>Non-Recurring Charge</u> |
|--|-------------------------|---------------------------------|
| (A) <u>DID PBX Trunk</u> - <i>Per Individual trunk</i> | \$37.65 | \$304.00 |
| (B) <u>DID Circuit Termination</u> - <i>Per individual trunk</i> | 7.55 | 0.00 |
| (C) <u>Blocks of Telephone Numbers</u> - <i>Per 100 numbers</i> | 0.05 | 304.00 |
| (D) <u>DID Trunk Queuing</u> - DID Trunk Queuing with First Announcement - <i>Per Arrangement</i> | 105.95 | 393.00 |
| - Additional Announcement - <i>Per Arrangement</i> | 12.80 | 27.00 |
| - Queue Slots - <i>Per Slot</i> | 0.10 | 37.00 |
| - DID Number Conditioning for Use with DID Trunk Queuing - <i>Per Group of 20 Numbers</i> | 13.05 | 129.00 |

 ACCESS SERVICES

Section 9 -- RATES (cont'd.)9.2 Miscellaneous Services9.2.1 Presubscription

| | <u>Non-Recurring Charge</u> |
|---|---------------------------------|
| IL, MA, MD, NJ, NY, PA, VA and D.C. | |
| A) Changing PIC to which an End User is presubscribed: | 5.00 |
| B) Unauthorized PIC Change | |
| 1) The charge for an unauthorized Business or Residence service change in Presubscription. | 23.05 |
| 2) The charge for an unauthorized Public and Semipublic Pay Telephone change in Presubscription | 39.28 |
| 3) The charge for a Business/Residence Carrier PIC Switchback change in Presubscription | 7.59 |

ACCESS SERVICES

Section 9 -- Rates (cont'd)9.2 Miscellaneous Services9.2.3 Billing Name and Address

| | <u>Charge</u> |
|--|---------------|
| Service Establishment (non-recurring) | \$1,333.33 |
| Per Telephone Number Request | |
| -verbal | \$ 0.54 |
| -written | 0.45 |

ACCESS SERVICES

APPENDIX A

Listing of all effective contract agreements

| <u>Contract Number</u> | <u>Service Description</u> | <u>Rates</u> | <u>Effective Date</u> |
|----------------------------|--------------------------------|--------------|---------------------------|
|----------------------------|--------------------------------|--------------|---------------------------|

(RESERVED FOR FUTURE USE)